



# भारत का राजपत्र The Gazette of India

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इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके  
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

## भाग III—खण्ड 2 [PART III—SECTION 2]

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस  
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Calcutta, the 11th March 2000

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Building, 5th, 6th & 7th  
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Bose Road, Calcutta-700 020.

Rest of India.

Telegraphic address "PATENTS"  
Phone No. 247 4401  
Fax No. 033 247 3851.

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**पेटेंट कार्यालय****एकस्य तथा अभिकल्प****कलकत्ता, दिनांक 11 मार्च 2000****पेटेंट कार्यालय के कार्यालयों के पते एवं अनाधिकार**

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पेटेंट कार्यालय शाखा, टांडी इस्टेट,  
तीसरा तल, लोअर परले (प.),  
मुम्बई-400 013.

गुजरात, महाराष्ट्र, मध्य प्रदेश  
तथा मणिपुर राज्य क्षेत्र एवं मंच  
शासित क्षेत्र, दमन तथा दीव एवं  
दादर और नगर हवेली ।

तार पता - "पेटेंटॉफिस"

फोन : 482 5092 फैक्स : 022 4950 622

पेटेंट कार्यालय शाखा,  
एकक सं. 401 से 405, तीसरा तल  
महाराष्ट्र बाजार भवन,  
सरस्वती मार्ग, करोल बाग,  
नई दिल्ली-110 005.

हरियाणा, हिमाचल प्रदेश, जम्मू  
तथा कश्मीर, पंजाब, राजस्थान,  
उत्तर प्रदेश तथा दिल्ली राज्य  
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फोन : 578 2532 फैक्स : 011-576 6204

**पेटेंट कार्यालय शाखा,****ब्लॉक सी (सी-4, ए),****तीसरा तल, राजाजी भवन, बसन्त नगर,****चेन्नई-600090 ।**

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फोन : 490 1495 फैक्स : 044-4901492

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भवन, 5, 6 तथा 7वां तल,

234/4, आचार्य जगदीश बोस मार्ग,

कलकत्ता-700 020.

भारत का अवशेष क्षेत्र ।

तार पता - "पेटेंट्स"

फोन : 247 4401 फैक्स : 033 247 3851

पेटेंट अधिनियम, 1970 तथा पेटेंट (संशोधन) अधिनियम, 1999 अथवा पेटेंट (संशोधन) नियम, 1972 द्वारा उपेक्षित सभी आवेदन, सूचनाएं, विवरण या अन्य दस्तावेज या कोई फॉस पेटेंट कार्यालय के केवल समुचित कार्यालय में ही ग्रहण किये जायेंगे ।

शुल्क : शुल्कों की जमायगी या तो नकद की जाएगी अथवा जहां उपयुक्त कार्यालय उपस्थित है, उस स्थान के अनुसूचित बैंक से नियंत्रक को भुगतान योग्य बैंक ड्राफ्ट अथवा चेक द्वारा की जा सकती है ।

**ALTERATION OF DATE**

183612 filed on 30-9-92

(885/Del/92) Ante-dated to 7-2-89.

183613 filed on 10-12-92.

(1186/Del/92) Ante-date to 10-2-87.

183614 filed on 15-2-93.

(129/Del/93) Ante-dated to 16-4-92.

183615 filed on 15-2-93.

(128/Del/93) Ante-dated to 16-4-92.

183624 filed on 13-9-91.

(855/Del/91) Ante-dated to 5-5-89.

183652 filed on 4-4-90.

(337/Del/90) Ante-dated to 26-5-87.

183653 filed on 24-9-90.

(942/Del/90) Ante-dated to 22-9-87.

183656 filed on 29-9-92.

(875/Del/92) Ante-dated to 3-7-89.

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### स्वीकृत सम्पूर्ण विनिर्देश

एतद्वारा यह सूचना दी जाती है कि संबंधित आवेदनों में से किसी पर पेटेंट अनुदान के विरोध करने के इच्छुक व्यक्ति, इसके निर्गम की तिथि से चार (4) महीने या अधिक ऐसी अवधि जो उक्त चार (4) महीने की अवधि की समाप्ति के पूर्व, पेटेंट (संशोधन) नियम, 1999 के तहत विहित प्ररूप 4 पर अगर आवेदित हो, एक महीने की अवधि से अधिक न हो, के भीतर कभी भी निबंधक एकत्र को उपयुक्त कार्यालय में ऐसे विरोध की सूचना लिखित प्ररूप 7 पर दे सकते हैं। विरोध संबंधी लिखित दस्तावेज की प्रतियों में साक्ष्य के साथ, यदि कोई हो, उक्त सूचना के साथ या पेटेंट (संशोधन) नियम, 1999 द्वारा संशोधित नियम-36 के तहत यथाविहित उक्त सूचना के तिथि से 60 दिन के भीतर फाइल कर दिए जाने चाहिए।

प्रत्येक विनिर्देश के संदर्भ में नीचे दिये वर्गीकरण, भारतीय वर्गीकरण तथा अंतर्राष्ट्रीय वर्गीकरण के प्रमुख हैं।

विनिर्देश तथा चित्र आरेख, यदि कोई हो, की अंकित प्रतियों की आपूर्ति पेटेंट कार्यालय या उसके शाखा कार्यालयों से यथाविहित फोटोप्रति शुल्क उक्त दस्तावेज के 10 रुपये प्रति पृष्ठ धन 30 रुपये की अदायगी पर की जा सकती है।

ऐसी परिस्थिति में जब विनिर्देश की अंकित प्रति उपलब्ध नहीं हो, विनिर्देश तथा चित्र आरेख, यदि कोई हो, की फोटो प्रतियों की आपूर्ति पेटेंट कार्यालय या उसके शाखा कार्यालयों से यथाविहित फोटोप्रति शुल्क उक्त दस्तावेज के 10 रुपये प्रति पृष्ठ धन 30 रुपये की अदायगी पर की जा सकती है।

Ind. Cl. : 14 B, D1, 2.  
Int. Cl.<sup>4</sup> : G 21 H 1/00

183611

AN IMPROVED LITHIUM-MANGANESE DIOXIDE NON-AQUEOUS COIN CELL.

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH RAJ MARG, NEW DELHI-110001, INDIA.

Inventors :

1. RAJAGOPALAN JANAKIRAMAN, INDIAN
2. KRISHNAN GOPALAKRISHNAN, INDIAN
3. PANAMATTHATHU NARAYANAN NARAYANAN NAMBOODIRI, INDIAN
4. RAMA IYER GANGADHARAN, INDIAN.

Application for Patent No. 330/Del/92 filed on 16-4-92.

Complete left after Provisional Specification on 15-2-93.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

### 3 Claims

An improved lithium-manganese dioxide non-aqueous coin cell which comprises an activated manganese dioxide cathode prepared by the process as here in described and placed in a known cathode cup a lithium anode placed in a known anode the cathode cup and anode can being separated by a polypropylene separator, the said cathode and anode being covered by an electrolytic composition consisting of lithium perchlorate dissolved in poly propylene carbonate and 1, 3-dioxolane, a known insulating washer being placed on the anode can and crimp sealed to obtain a non-aqueous coin cell.

(Provisional : 5 Pages;

Drawings Nil Sheet)

(Compl. Specn. 8 Pages;

Drawings Nil Sheet)

Ind. Cl. : 40B.

183612

Int. Cl.<sup>4</sup> : B01J 35/00.

PROCESS FOR PREPARING A ZIEGLER NATTA TYPE CATALYST HAVING A HIGH CONTENT OF TITANIUM.

Applicant : B. P. CHEMICALS LTD. A BRITISH COMPANY, OF BELGRAVE HOUSE, 76 BUCKINGHAM PALANCE ROAD, LONDON SW1W 0SU, ENGLAND.

Inventors :

1. JEAN CLAUDE ANDRE BAILLY (FRANCE) &
2. STYLIANOS SANDIS (FRANCE).

Application for Patent No. 885/Del/1992 filed on 30-9-1992.

Divisional to Patent Application No. 116/Del/89 filed on 7-2-89.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

### 15 Claims

A process for preparing a Ziegler-natta type supported catalyst having a high content of titanium which comprises successively :

- (a) treating (i) a support containing from 80 to 95 mol % of magnesium chloride and from 5 to 20 mol % of at least one electron donor compound, D<sub>1</sub> of the kind such as hereinbefore described containing no labile hydrogen and no ester function, said support consisting of spherical particles having a mass average diameter, D<sub>m</sub> of 10 to 100 microns and a particle size distribution such that the ratio of D<sub>m</sub> to the number average diameter, D<sub>n</sub>, of the particles is below 2, with (ii) at least one electron-donor compound, D<sub>2</sub> of the kind such as herein described containing labile hydrogen, and then optionally with (iii) at least one ester of an aromatic acid,
- (b) impregnating the treated support with titanium tetrachloride,
- (c) washing the impregnated support with a liquid hydrocarbon, and
- (d) activating the washed support by contacting it with titanium tetrachloride.

(Compl. Specn. 28 Pages;

Drawing Nil Sheet)

Ind. Cl. : 15 C &amp; D.

183613

Int. Cl.<sup>4</sup> : F 16 C 43/00, 1/36.

## AN IMPROVED THRUST BEARING.

Applicant : RELIANCE ELECTRIC INDUSTRIAL COMPANY FORMERLY KNOWN AS RELIANCE ELECTRIC COMPANY, A CORPORATION OF THE STATE OF DELAWARE, UNITED STATE OF AMERICA, OF P. O. BOX 49, GREENVILLE, SOUTH CAROLINA 29602, UNITED STATES OF AMERICA.

## Inventors :

1. HOOSHANG HESHMAT (USA) &
2. PAUL THOMAS GORSKI (USA)

Application for Patent No. 1186/Del/1992 filed on 10-12-1992.

Divisional to Patent Application No. 103/Del/87 filed on 10-2-87.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

## 5 Claims

An improved thrust bearing comprising a base, said base having a bore opening therethrough and an annular oil groove therearound, said base also having a thrust surface thereon, said thrust surface consisting of a plurality of thrust pads therearound, a radial oil groove located between adjacent thrust pads and an oil bleeder located at an outer end of each oil groove and in communication therewith, said thrust pads comprising a flat land portion and a tapered land portion so that in conjunction with a thrust runner the thrust bearing is capable of operation under both starved and flooded lubricant conditions with low power losses.

(Compl. Specn. 22 Pages;

Drawings 8 Sheets)

Ind. Cl. : 14 B D<sub>1</sub>, 2

183614

Int. Cl.<sup>4</sup> : G 21 H 1/00.

AN ELECTROLYTIC COMPOSITION USEFUL AS AN ELECTROLYTE IN LITHIUM MANGANESE DIOXIDE NON-AQUEOUS COIN CELLS.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAJI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY IN CORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

## Inventors :

1. RAJAGOPALAN JANAKIRAMAN, INDIAN
2. KRISHNAN GOPALAKRISHNAN, INDIAN
3. PANAMATTATHU NARAYANAN NARAYANAN NAMBOODIRI, INDIAN AND
4. RAMA LYER GANGADHARAN, INDIAN.

Application for Patent No. 128/Del/1993 filed on 15-02-1993.

Divisional out of Patent Application No. 330/Del/92 filed on 16-4-1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

## 2 Claims

An electrolytic composition useful as an electrolyte in lithium manganese dioxide non-aqueous coin cells comprises 0.5 to 1.5 M lithium perchlorate, 1 to 5 parts propylene carbonate and 1 to 5 parts 1, 3-dioxolane.

(Compl. Specn. 6 Pages;

Drawing Sheet Nil)

Ind. Cl. 14 B D<sub>1</sub>, 2

183615

Int. Cl.<sup>4</sup> : G 21 H 1/00.

A PROCESS FOR THE PREPARATION OF ACTIVATED MANGANESE DIOXIDE ELECTRODE USEFUL AS A CATHODE IN NON-AQUEOUS COIN CELLS.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAJI MARG, NEW DELHI-110001, INDIA.

## Inventors :

1. RAJAGOPALAN JANAKIRAMAN, INDIAN
2. KRISHNAN GOPALAKRISHNAN, INDIAN
3. PANAMATTATHU NARAYANAN NARAYANAN NAMBOODIRI, INDIAN
4. RAMA LYER GANGADHARAN, INDIAN.

Application for Patent No. 129/Del/93 filed on 15th Feb., 1993.

Divisional out of Patent Application No. 330/Del/92 filed on 16-4-92.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

## 3 Claims

A process for the preparation of activated manganese dioxide electrode useful as a cathode in non aqueous coin cells, which comprises digesting manganese dioxide with sulphuric acid of concentration in the range of 1 N to 4N at a temperature in the range of 80°C to 100°C for a period of 1 to 4 hours, filtering and washing the residue with distilled water till pH is around 7, drying at a temperature in the range of 100°C to 120°C for a period of 4 to 8 hours, blending the activated MnO<sub>2</sub> with acetylene black in a ratio in the range of 9:1 to 19:1 with a binder in the range of 1 to 10 wt% drying and compressing to an activated manganese dioxide electrode in the form of pellet.

(Compl. Specn. 7 Pages;

Drawings Sheet Nil)

Ind. Cl. : 15A.

183616

Int. Cl.<sup>4</sup> : B 41 L 27/12.

AN INK JET PRINTER.

Applicant : DOMINO PRINTING SCIENCES PLC., A BRITISH COMPANY, OF BAR HILL, CAMBRIDGE CB3 8TU, ENGLAND.

Inventor(s) : WILLIAM ANTHONY DENNE-ENGLAND.

Application for Patent No. 1248/Del/93 filed on 5th Nov. 93.

Divisional out of Patent Application No. 350/Del/ 90 dt. 6-4-90.

Convention Application No. 8908627.6, 8908737.3/U.K., U.K./17-4-89, 18-4-89.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

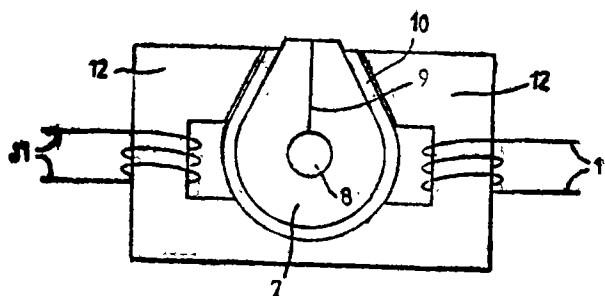
## 4 Claims

An ink jet printer comprising :

- an ink chamber in which a wall thereof is constituted at least partially by elastic material;
- a closable orifice comprised by at least one slit or hole through said elastic material for jetting ink therethrough in a pressurized droplets; and
- at least one actuator, optionally comprising piezo-electric element, engaging the said elastic material

and operably to cause the orifice to close or open.

Fig. 7.



(Compl. Specn. 14 Pages;

Drawings 6 Sheets)

Ind. Cl. : 55 E.

183617

Int. Cl.<sup>7</sup> A 61 K, 31/00.

**A PROCESS FOR PREPARING A SYNERGISTIC HOMEOPATHIC COMPOSITION FOR THE TREATMENT FOR HAIR, FALLING, DANDRUFF, PREMATURE GREYING, ITCHING SCALP, IRRITATION AND DRYNESS OF SCALP.**

Applicant : SBL LIMITED, AN INDIAN COMPANY OF 14 & 15, "ARUNACHAL", 19, BARAKHAMBA ROAD, NEW DELHI-110 001, INDIA.

Inventors :

1. DR. JUGAL KISHORE, INDIA
2. OM PRAKASH JAIN, INDIA AND
3. DR. BEENA THOMAS, INDIA.

Application for Patent No. 242/Del/95 filed on 15th Feb., 95.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

#### 5 Claims

A process of preparing a synergistic homeopathic composition for the treatment of hair falling, dandruff, premature greying itching scalp, irritation and dryness of scalp comprising :

- (i) Obtaining extract of the herbal plant, Vinca Minor (Whole fresh plant) in a known manner with alcohol in the ratio 1 : 9.
- (ii) Potentising individually in any known manner Acidum Fluoricum (Floric Acid) Acidum Phosphoricum, (Phosphoric Acid) Arsenicum Album, (Arsenic Salt) Kali Muriaticum, (Potassium Chloride) Kali (Potassium & Sulphate) Sulphuricum, Natrum Muriaticum, (Sodium Chloride) Phosphorus (Phosphorus) in 90% alcohol to obtain the potency in the range of :

Acidum Fluoricum—30—200

Acidum Phosphoricum—30—200

Arsenicum Album—30—200

Kali Muriaticum—6—30

Kali Sulphuricum—6—30

Natrum Muriaticum—30—200

Phosphorus—30—200

Vinca Minor—30—200.

- (iii) mixing the ingredients of step (i) and (ii) in equal proportion by volume/by weight at ambient temperature to obtain the said composition.

(Compl. Specn. 9 Pages;

Drawing Sheet Nil)

Ind. Cl. : 146 B.

183618

Int. Cl.<sup>7</sup> : C 07 B 55/00.

**AN IMPROVED PROCESS FOR SELECTIVE SEPARATION OF OPTICALLY ACTIVE ENANTIOMERS FROM RACEMIC MIXTURE OF CHIRAL ISOMERS.**

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH RAFI MARG, NEW DELHI-110 001 INDIA, AN INDIAN BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES (ACT XXI OF 1860).

Inventors :

1. NIRMAL KISHOR YADAV AND
2. BHASKAR DATTATRAYS KULKARNI, INDIA.

Application for Patent No. 286/Del/1995 filed on 22-02-1995.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

#### 6 Claims

An improved process for selective separation of optically active enantiomers from racemic mixture of chiral isomers, which comprises mixing a conventional surfactant or a combination of surfactants in an organic solvent adding clear aqueous solution of racemic mixture of chiral isomers under stirring to obtain a microemulsion medium, demulsifying by known methods and separating the organic and aqueous phases by conventional methods to get optically active enantiomers one in each phase.

(Compl. Specn. 20 Pages,

Drawing Nil)

Ind. Cl. : 32F<sub>6</sub>(d) & 55E.

183619

Int. Cl. : C07D 275/00, 277/00 & A61K 31/00.

**A PROCESS FOR THE PREPARATION OF TRIAZOLE BENZOXAZINE COMPOUNDS.**

Applicant : INDIAN DRUGS AND PHARMACEUTICALS LTD., IDPL COMPLEX DUNDAHERA, DELHI-GURGAON ROAD, GURGAON-122016, INDIA AN INDIAN GOVERNMENT ORGANISATION.

Inventors :

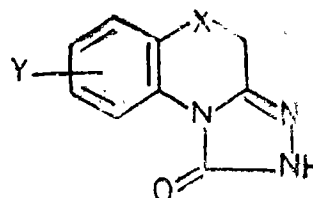
1. GARIMELLA KRISHNA ANJANEYA SUBRAHMANYA SAMBHO NARAYAN,
2. HARIHARAKRISHNAN VENKATASUBRAMANIAN,
3. KOTHAKAPU VEMANA,
4. CHEBOLU SRIKRISHNA, &
5. BARATULA ESWAR RAO, INDIA.

Application for Patent No. 461/Del/95 filed on 15th March. 1995.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch New Delhi-110005.

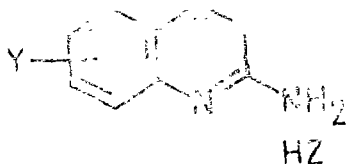
#### 9 Claims

A process for the preparation of a triazole benzoxazine compounds of general formula 1



Formula . 1

wherein X- S & Y represents hydrogen, hydroxy, straight or branched chains (C<sub>1</sub>-C<sub>8</sub>) alkoxy group, straight or branched chain (C<sub>1</sub>-C<sub>8</sub>) alkyl group, nitro or amino group optionally substituted in 6, 7, 8 and (or) 9 position comprising lacting 3 amino (1, 4) benzoxa (thia) zines of formula 3



Formula 3

wherein X & Y have the same meaning as defined earlier with alkoxy carbonyl hydrazine such as herein described in an organic solvent containing 0.5 to 10 mole percent of a phase transfer catalyst such as polyethylene glycol in the present of an inorganic base such as herein described at 50—110°C to obtain the above compounds.

(Compl. Specn. 10 Pages;

Drawing 1 Sheet)

Ind. Cl. : 55E & 60x2 (a) & (b).

183620

Int. Cl. : A61K 31/00.

A PROCESS FOR PREPARING A SYNERGISTIC HOMEOPATHIC COMPOSITION FOR THE TREATMENT OF PIMPLES, ACNE, BLACKHEADS, BLOTCHES ASSOCIATED WITH OR WITHOUT GASTRO-INTESTINAL PROBLEMS.

Applicant : SBL LIMITED, AN INDIAN COMPANY, OF 14 & 15, "ARUNACHAL", 19, BARAKHAMBHA ROAD, NEW DELHI-110001, INDIA.

Inventors :

1. JUGAL KISHORE
2. OM PRAKASH JAIN AND
3. BEENA THOMAS (INDIAN)

Application for Patent No. 847/Del/95 filed on 9-5-95.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

### 3 Claims

A process for preparing a synergistic homeopathic composition for the treatment of pimples, acne, blackheads, blotches associated with or without gastro-intestinal problems comprising :

(i) Obtaining extracts of the following herbal plants with alcohol in a known manner in the ratio 1:9—

Berberis Aquilium—Fresh bark of the root.

Echinacea Augustfolia—Fresh Herb including root.

Nux Vomica—Dried Seeds.

(ii) Obtaining liquid extract of Asteria Rubens and potentiating it in either alcohol or distilled water to the predetermined potency.

(iii) triturating individually the chemical ingredients. Arsenicum lodatum Nesenious iodide and Kali Bromatum (Potassium bromide) in lactose to the predetermined potency.

(iv) mixing in equal proportions the extracts obtained in step (i), (ii) & (iii) to form the composition.

(Compl. Specn. : 8 pages;

Drgn. : nil sheet)

Ind. Cl. : 40 B, 32 B.

183621

Int. Cl. : C 07 C 2/00.

A PROCESS FOR PRODUCTION OF ALKYL AROMATIC COMPOUNDS.

Applicant : UOP, A COMPANY ORGANIZED UNDER THE LAWS OF THE STATE OF NEW YORK, UNITED STATES OF AMERICA, WITH ITS PRINCIPAL OFFICE LOCATED AT 25 EAST ALGONQUIN ROAD, DES PLAINES, ILLINOIS, U.S.A.

inventor : JOSEPH ANTHONY KOCAL—U.S.A.

Application for Patent No. 657/Del/91 filed on 22nd July, 1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

### 5 Claims

A process for the production of an alkylaromatic compound comprising reacting an aromatic compound with an alkylating agent containing from 1 to 20 carbon atoms selected from the group consisting of olefins, alkyl halides and alkyl alcohols at alkylating conditions in the presence of a solid catalyst comprising a pillard clay of the kind as herein described and a binder selected from the group consisting of alumina, silica, titania, zirconia and aluminum phosphate said binder compound being present in an amount in the range of from 5% to 50% by weight of said pillared clay said alkylation conditions including a temperature in the range of from 80° to 450°C and a pressure in the range of from 1482 to 7000 kpa to produce alkyl aromatic compound.

(Compl. Specn : 14 pages;

Drgn. : nil sheet)

Ind. Cl. : 136 B, 136 E.

183622

Int. Cl. : B 01 D 13/04.

A DEVICE FOR MAKING POLYMERIC MEMBRANES FROM CASTING SOLUTIONS HAVING A WIDE RANGE OF VISCOSITIES.

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAJ MARG, NEW DELHI-110001, INDIA.

Inventor(s) :

1. Ayyansomayajula Visweswara Rao, Indian
2. Ramamurti Rangarajan, Indian
3. Naivedyakumar Vidyutrai Desai, Indian
4. Surya Narain Sah, Indian
5. Sanatkumar Natvarlal Patel, Indian
6. Prabhatsinh Naneha Gohil, Indian

Application for Patent No. 764/Del/91 filed on 22-8-91. Complete left after Provisional Specification on 20-11-92.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

### 2 Claims

A device for making polymeric membranes from casting solutions having a wide range of viscosities, which comprises a fabric/plastic base supply roller (1) rotatably fixed, set of rollers (2) also rotatably fixed succeeding the supply roller (1) to enable smooth passage of the fabric/plastic base with requisite mechanical stretch, a casting platform (3) having conventional means for raising/lowering being fixed after the roller set (2) to accomodate fabric/plastic base of different thicknesses, above the casting platform (3) being placed a reservoir/hopper (4) for holding the casting solution and a controlling the thickness of the casting solution spread the reservoir/hopper and the casting solution spread the reservoir/hopper and the casting blade being covered by a hood (6) having conventional means for controlling the environment, a gelation bath (7) being provided after the casting platform (3), the said bath having a set of guide

rollers and a receiving roller (8) driven by a prime mover with rpm control.

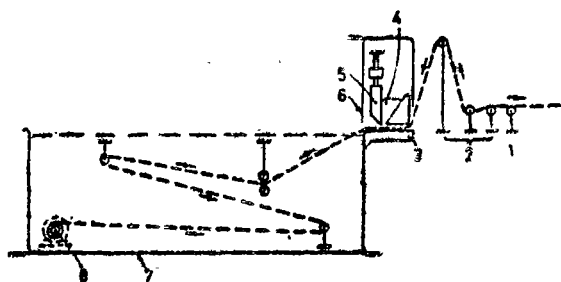


Fig. 1

(Provn. : 4 pages;

Drgn. : 1 sheet)

(Compl. Specn. : 11 pages;

Drgn. Nil sheet)

Ind. Cl. : 89 XLI (6).

183623

Int. Cl.<sup>4</sup> : G 01 N 3/56.

#### A CROSSED-CYLINDER WEAR TESTING MACHINE.

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA.

Inventor(s) :

1. KRISHNA GOPAL KUSHARI, INDIAN
2. MADGULA JAYDEV, INDIAN
3. SUNILBHUSHAN MUKHERJEE, INDIAN
4. TAPAN MAHATO, INDIAN

Application for Patent No. 770/Del/91 filed on 22-8-91.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

#### 2 Claims

A crossed cylinder wear testing machine which comprises; a driving unit consisting of a main shaft (1.1) held between two bearing blocks (1.2), the said shaft (1.1) is connected to a variable speed gear motor (1.4) through known means; the said shaft (1.1) is connected to a rotating cylinder unit (2) through flexible coupling (1.5), the said rotating unit (2) consists of a shaft (2.2) being supported on a bearing block (2.3), a cylindrical specimen (2.1) (the wear of which is to be tested) is mounted on the said shaft (2.2), a stationary cylinder unit (3) consisting of cylindrical specimen (3.1), is placed over the said rotating cylinder unit (2) in such a way that its axis is at right angle to the axis of the said rotating cylindrical specimen (2.1) and make a point contact with said specimen rotating cylinders (2.1 and 3.1). the said stationary cylindrical specimen (3.1) being mounted on a shaft (3.2), the said shaft (3.2) is held in a yoke (3.3) one end of a load lever (4.1) being provided with known means (4.3 and 4.4) for horizontal movement and lifting of the said stationary cylindrical specimen (3.1), a traversing table (5.1) being connected to the said yoke (3.3) by means (5.2) such that its axis is at an angle of 45° to the axis of the said rotating cylindrical specimen (2.1), a screw rod (5.3) and guides (5.4) being provided on the said traversing table (5.1), for effecting the traversing of the said stationary cylindrical specimen (3.1), a reduction drive motor (5.5) being connected to the said screw rod (5.3), conventional means being provided to the said cylindrical specimen (2.1 and 3.1) for measurement of load, friction, temperature.

(Compl. Specn. : 13 pages;

Drgns. : 4 sheets)

Ind. Cl. : 84 B, XXXIII (2)

183624

Int. Cl.<sup>4</sup> : F 23 C 1/00.

#### A FUEL COMPOSITION.

Applicant : KAMESHWAR NATH MALLIK, AN INDIAN NATIONAL OF 4/23A, VIKRAM VIHAR, LAJPAT NAGAR-IV, NEW DELHI-110024.

Inventor (s) : KMESHWAR NATH MALLIK—INDIAN.

Application for Patent No. 855/Del/91 filed on 13th Sep. 1991.

Divisional out of Patent Application No. 394/Del/88 dt. 5-5-88.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

#### 2 Claims

A fuel composition for use in a stove comprising 5 to 60% benzene, 1 to 15% toluene 0.5 to 10% xylene as the eliphatic solvents and 10 to 30% acetone as the hydrophobic liquid being mixed with kerosene oil in the amount of 15 to 65% V/V.

(Compl. Specn. 5 Pages;

Drawing Sheet Nil)

Ind. Cl. : 83A,

183625

Int. Cl. : C12N, 1/16.

#### AN IMPROVED PROCESS FOR THE PREPARATION OF FLOCCULENT YEAST.

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA AN INDIAN REGISTERED BODY INCORPORATED UNDER REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors :

1. SANJAY NARAYAN NENE &
2. VITHAL VENKATRAO JOGDAND.

Application for Patent No. 946/Del/91 filed on 1st October, 1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch New Delhi-110005.

#### 8 Claims

An improved process for the preparation of flocculent yeast from fermentable sugar containing substances which comprises forming a 10—16% w/v of fermentable sugar solution using sugar as such or sugar containing substances such as herein described with a nutrient medium consisting of essentially a nitrogen compound, phosphorus compound magnesium compound and optionally other normally employed nutrients, heating the resulting solution to a temperature in the range of 90—120°C, cooling the solution to 30°C, adding to the cooled solution 0.1% by wt. of the said solution a flocculent yeast belonging to the species such as *Saccharomyces cerevisiae*, *S. uvarum*, *S. carlsbergensis*, passing air, through the resultant mixture, at the rate of 0.01 vvm to 0.05 vvm and separating the flocculent yeast from ethanol formed by decantation.

(Compl. Specn. 17 Pages)

Ind. Cl. : 188 A

183626

Int. Cl.<sup>4</sup> : C 21 B 11/12.

#### A PROCESS FOR THE EXTRACTION OF ZINC FROM ZINC FERRITE.

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA.

Inventors :

1. SHASHI ANAND, INDIAN
2. SRIDHARA ACHARYA, INDIAN
3. RADHA NATH PRASAD DAS, INDIAN.

Application for Patent No. 1024/Del/91 filed on 24-10-1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

### 5 Claims

A process for the extraction of zinc from zinc ferrite comprises leaching the zinc ferrite with 6.5 to 7.5% (v/v) sulphuric acid in the presence of sulfate salt of monovalent cations such as herein described and oxygen gas at a temperature in the range of 180–210°C and partial pressure of 2 to 4 kg/cm<sup>2</sup>.

(Prov. 6 Pages;

Drawings Nil Sheet)

(Compl. Specn. 12 Pages;

Drawings Nil Sheet)

Ind. Cl. : 32—2d

183627

Int. Cl.<sup>4</sup> : C 07 B 45/00, 5/02

### AN IMPROVED PROCESS FOR THE PRODUCTION OF ALKYL SULFOXIDE AND/OR ARYLSULFOXIDES AND SULFONES.

Applicant : CONUCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAJI MARG, NEW DELHI-110001, INDIA.

Inventor(s) :

JALE SUDHAKAR REDDY, INDIAN  
RAVINDER SUDINI REDDY, INDIAN  
PRADEEP KUMAR, INDIAN  
RAJIV KUMAR, INDIAN

Application for Patent No. 1028/Del/91 filed on-24-10-91.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

### (CLAIMS 5)

An improved process for the production of alkyl sulfoxide and/or arylsulfoxides and sulfones which comprises contacting sulfide, having formula  $R_1R_2S$ , where  $R_1$  and  $R_2$  can be chosen from methyl, ethyl, butyl, phenyl or mixture thereof with an aqueous solution of hydrogen peroxide and a crystalline titanasilicates having the molecular formula:  $TiO_2 \cdot (1-x) SiO_2$  wherein  $x$  varies from 0.0005 to 0.2 and characterized by x-ray diffraction pattern and infrared adsorption data as herein described in presence of conventional organic solvent such as herein described at temperatures in the range of 0.100°C at autogeneous pressures for a period between 5 min and 12 hours and recovering the corresponding sulfoxide and sulfone from the reaction products by known methods.

(Complete : 15 pages;

Drawings : Nil Sheets)

Ind. Cl. : 27DL XXVI(1)

183628

Int. Cl. : E02D 5/00 27/12.

### "AN IMPROVED PROCESS FOR THE FORMATION OF SELF SETTING SOIL SLURRY PILES".

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAJI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors :

BHAGWAN GOVIND RAO, INDIAN  
DINESH AND  
SUNIL KUMAR JAIN, INDIAN.

Application for Patent No. : 1158/Del/91 filed on Date 26-11-91.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

### (CLAIMS 5)

An improved process for the formation of thixotropic self setting soil slurry pile having diameter ranging from 100–300 mm useful for reinforcement of weak soils and for providing firm settlement free foundations which comprises forming plurality of holes in the ground where soil is weak, characterised in that forming a column in the said holes composed of plurality of slurry piles by filling with thixotropic self setting soil slurry selected from a mixture of soil, cement flyash, and/or bentonite with or without organic such as herein described as reinforcement, the top of the plurality of said piles provided with a geofabric reinforced cap or pad, the said cap is covered with reinforced concrete footing.

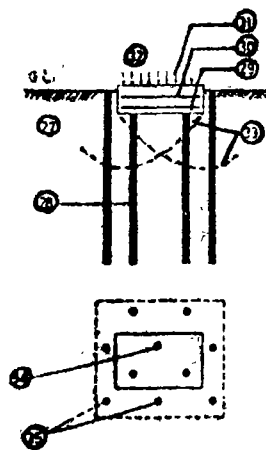


Fig. 4

(Compl. Specn. : 31 Pages;

Drwngs. : 7 Sheets)

Ind. Cl. : 40 A

183629

Int. Cl.<sup>4</sup> : B 01 J 8/00

### A PROCESS FOR THE PREPARATION OF IRON-MANGANESE CATALYSTS USEFUL FOR THE PRODUCTION OF LOWER HYDRO CARBON FROM SYNTHESIS GAS.

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAJI MARG, NEW DELHI-110001, INDIA.

Inventor(s) :

CHANDRA KUMAR DAS, INDIAN  
NIKHILENDU SEKHAR DAS, INDIAN

Application for Patent No. 20/Del/92 filed on 10-1-92. Complete left after provisional specification on 13-3-92.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

### (CLAIMS 4)

A process for the preparation of iron-manganese catalysts useful for the production of lower hydrocarbons from synthesis gas, with an improves selectivity for unsaturates, which comprises (a) preparing a 2–10% by wt. aqueous solution of potassium permanganate herein after named as solution A, (b) preparing a 10–25% by wt. aqueous solution of iron nitril hereinafter named as solution B, (c) preparing a 10–20% by volume ammonium hydroxide solution, hereinafter named as solution C, (d) preparing a 2–10% by volume solution of formic acid by neutralising formic acid to pH 7.0 to 8.0 with the above said solution C, herein after named as solution D, (e) preparing 1–5% by wt. ammonium nitrate solution, hereinafter named as solution E, all the solutions being prepared in distilled water, (f)



mixing solution A and solution b, (g) adding the mixed solution at the rate of 1.5 to 2.0 lt./hr. to the said solution D (h) preheating to a temperature in the range between 60°C to 90°C, while maintaining pH between 7.0 to 9.0 using solution C and, (i) recovering the catalyst by conventional methods such as herein described.

(Provisional 10 Pages;

Drawings Nil Sheets)

(Complete 13 Pages;

Drawings Nil Sheets)

Ind. Cl. : 145 C

183630

Int. Cl.<sup>4</sup> : D 21 H 5/00

A COMPOSITION FOR PREPARING HEAT AND ULTRAVIOLET LIGHT SENSITIVE PAPER AND A PROCESS FOR THE PREPARATION OF HEAT AND ULTRA VIOLET LIGHT SENSITIVE AND THERMAL RECORDING PAPER.

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA.

Inventor(s) : CHOWDHURY NATH SAIKIA, INDIAN.

Application for Patent No. 310/Del/92 filed on 8-4-92.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

#### (CLAIMS 3)

A composition for preparing heat and UV light sensitive paper which comprises, leucodye derivative 30—50 parts by weight, bisphenol-A 100 parts by weight, Methyl cellulose 20 parts by weight, polyvinyl alcohol 10 parts by weight, stearamide 50—70 parts by weight, Octadecanamide 50 parts by weight, Acid treated bentonite and kaolin 40 parts by weight each, benzyl p-hydroxy benzoate and zinc stearate 40 and 30 parts by weight respectively, and water 600 parts.

(Complete 12 Pages;

Drawings Nil Sheets)

Ind. Cl. : 154 D.

183631

Int. Cl.<sup>4</sup> : B 41 L, 27/10.

"A COMBINED NOZZLE AND VALVE FOR USE IN INKJET PRINTER & WRITING INSTRUMENTS".

Applicant : DOMINO PRINTING SCIENCES PLC., A BRITISH COMPANY OF BAR HILL, CAMBRIDGE CB3 8TU, ENGLAND.

Inventor(s) WILLIAM ANTHONY DENNE—England.

Application for Patent No. 350/Del/90 filed on 06th April, 90.

Convention Application No. 08737.3/U.K./18-04-89.

Appropriate Office for Opposition Proceedings Rule 4, (Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

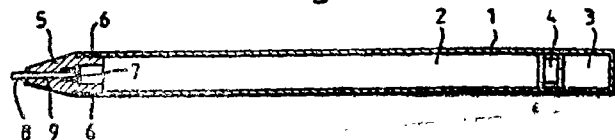
#### (4 CLAIMS)

A combined nozzle and valve for use in an ink jet printer and writing instruments the nozzle/valve comprising an elastic material formed with an orifice, said orifice being a slit or hole in said elastic material, said elastic material being controllably deformable to cause said orifice to open: and means cooperating with said elastic material for pre-loading

2—497 GI/99

the elastic material in compression to cause said orifice to be normally sealed.

Fig. 8.



(Complete Specification 14 Pages

Drawing Sheet-6)

Ind. Cl. : 4 A-4.

183632

Int. Cl.<sup>4</sup> : B 64 F 1/00.

A DEVICE FOR MANOEUVRING A FLYING MACHINE.

Applicant : AEROSPATIALE SOCIETE NATIONALE INDUSTRIELLE, 37, BOULEVARD DE MONTMORENCY 75781 PARIS CEDEX 16 FRANCE, A FRENCH COMPANY.

Inventor(s) BERNARD LOUIS ARTHUR-FRANCE AND THOMASSIN RENE-FRANCE.

Application for Patent No. 260/Del/1991 filed on 27th March, 91.

Appropriate Office for Opposition Proceedings Rule 4, (Patents Rules 1972), Patent Office Branch, New Delhi-110 005.

#### (14 CLAIMS)

A device for manoeuvring a flying machine supported by a principal landing gear and at least one swingable wheel, between predetermined zones on a substantially plane platform, such as an alighting area (2) and a parking area (3) on the deck of a ship, said device comprising at least one guide rail 5, 6 extending from one zone 2 to 3 of said platform to the other, 3 to 2 a hauling mechanism 12, 13, 14, 19, 20 for pulling the machine (H) from one zone to the other, an orientation bar (19) for orienting the path of said machine (H) intended to be pivotally connected by one of its ends (20) to the swingable wheel (21) of said machine, (H) means (24) for automatically locking said orientation bar (19) with respect of said swingable wheel (21) such that axis of said orientation bar (19) lies substantially in a plane parallel to or coincident with the median plane of the swingable wheel, (21) other end of said orientation bar (19) sliding along said guide rail, 5, 6, and at least one holding trolley (28) movable along said guide rail, 5, 6 said holding trolley (28) being associated with means of connection 30, 31, 32, 33, 34, 35 said means of connection 30 to 34 comprising :

a holding arm (35) associated with means of attaching (38) each of its ends to at least one of a plurality of lateral structural mooring points (39) of the machine (H) said lateral structural mooring points (39) being disposed on both sides of a vertical median plane of a fuselage of said machine (H) close to lateral supporting struts of wheels (37) of the principal landing gear thereof, and with means of supporting each of its ends on said plane platform;

a connecting unit mounted on said holding trolley (28) on which said holding arm (35) is slidable between its two ends, said connecting unit maintaining said holding arm (35) with respect to said holding trolley; (28)

means for automatically locking (41) said connecting unit with respect to said holding arm in a position corresponding substantially to the centering of the machine on the guide rail;

pivoting means (30) mounted on said holding trolley (28) which permit the pivoting of the holding arm (35) with respect to said holding trolley (28) around an axis substantially perpendicular to said platform. (1)

wherein said hauling mechanism 12, 13, 14, 19, 20 comprises a towing winch located toward one end of a guide rail, (6) upon which is wound a cable (13) which is connected to a

mounted towing trolley, said towing trolley movable along said guide rail and having said orientation bar articulated thereupon at an end of said towing trolley furthest from said machine. whereby the orientation bar serves as a towing bar.

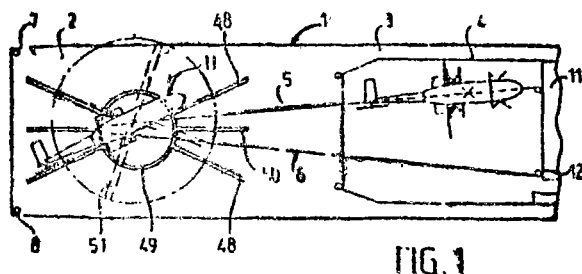


FIG. 1

(Complete Specification 24 Pages; Drawing Sheets-5).

Ind. Cl. : 61 B, GH VIII.

183633

Int. Cl. : C 08 F 36/00, 136/00, 236/00.

A PROCESS FOR OBTAINING A SUBSTANTIALLY DRY PARTICULATE SOLID.

Applicant : ZENeca LTD., A BRITISH COMPANY OF IMPERIAL CHEMICAL HOUSE, 9 MILLBANK, LONDON SW 1P3JE, ENGLAND.

Inventor (s) : WILLIAM MALLIAM LOGAN WOOD-England, MARGARET STEEL-England and PHILIP NORTON-BERRY-England.

Application for Patent No. 611/Del/1991 filed on 08th July, 1991.

Convention Application No. 9017155.4/03-8-90/U.K.

Appropriate Office for Opposition Proceedings Rule 4, (Patents Rules 1972), Patent Office Branch, New Delhi-110 005.

#### 9 Claims

A process for obtaining a substantially dry particulate solid which comprises feeding a solution or a dispersion of said solid in a liquid medium, having a viscosity of from 1mPa, to 1Pas. of the solid and, if desired, one or more additives selected from preservatives, diluents, surfactants, dispersants, formulating agents and wetting agents in a liquid medium through an atomizer located within a spray dryer wherein the atomizer comprises an annular spinning member mounted for rotation on an axis concentric therewith, said spinning member rotating at a rotational speed from 1000 to 6000 rpm, a solution or dispersion feed means having an exit in the spinning member, the spinning member having an interior surface which is smooth over a region extending axially from an end of the spinning member from which the solution or dispersion is spun, towards the exit of the solution or dispersion feed means, the end of the spinning member having from 300 to 750 spinning points per meter formed on the external periphery thereof and grooves which extend across the end from the interior surface to the external periphery thereof to direct the solution or dispersion to the spinning points where droplets of a narrow size distribution and a volume median diameter from 100 to 250 micrometers are formed and pass into the spray dryer wherein the droplets are converted into the substantially dry particulate solid.

(Complete Specification 26 Pages

Drawing Sheets 3).

Ind. Cl. : 55 E 32 F 2b

183634

Int. Cl. : C 07 D 209/04, A 61 K 31/00.

A PROCESS FOR THE PREPARATION OF 6-ACETAMIDO-5-BROMO-1-SUBSTITUTED-9H-PYRIDO (3, 4-b) INDOLES.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001,

INDIA. AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

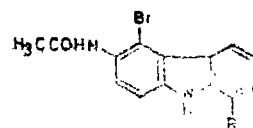
Inventor(s) : ALKA AGARWAL-India, SHIV KUMAR AGARWAL INDIA, PRAVEEN KUMAR SHUKLA-India and ZAFAR KAMAL KHAN-India.

Application for Patent No. 018/Del/93 filed on 08th January, 93.

Appropriate Office for Opposition Proceedings Rule 4, (Patents Rules 1972), Patent Office Branch, New Delhi-110 005.

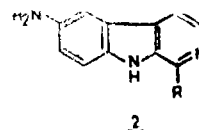
#### 4 Claims

A process for the preparation of 6-acetamido-5-bromo-1-substituted-9H-pyrido (3, 4-b) indoles having the formula 1.



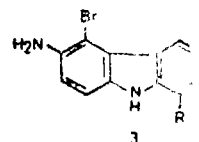
where R=H or ph, which comprises :

(i) reacting 6-amino-1-substituted - 9H - pyrido (3, 4-b) indoles of the formula 2



2

where R =H or phr with HBr in dimethyl sulphoxide at ambient temperature to furnish 6-amino-5-bromo-1-substituted-9H-pyrido (3, 4-b) indoles of formula 3



3

where R has the meaning given above,

(ii) reaching the 6-amino-5-bromo-1-substituted - 9H-pyrido (3, 4-b) indoles of formula 3 with acetic anhydride to provide 6-acetamido-5-bromo-1-substituted - 9H-pyrido (3, 4-b) indoles of formula 1 where R represents H or ph, recovering the indole by conventional methods.

(Complete Specification 7 Pages

Drawing Sheet 1)

Ind. Cl. : 32 F 2b, 55 E2.

183635

Int. Cl. : A 61 K, 31/405

C 07 D, 209/04.

A PROCESS FOR THE PREPARATION OF 5-BROMO-6-METHANE SULPHONAMIDO-1-PHENYL-9H-PYRIDO (3, 4-b) INDOLE USEFUL AS ANTIFUNGAL AGENTS.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA. AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

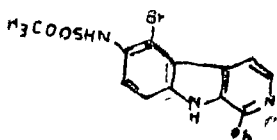
Inventor(s) : ALKA AGARWAL-India, SHIV KUMAR AGARWAL-India, PRAVEEN KUMAR SHUKLA-India, ZAFAR KAMAL KHAN-India.

Application for Patent No. 19/Del/93 filed on 08-01-93.

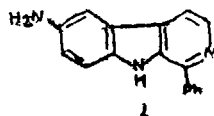
Appropriate Office for Opposition Proceedings Rule 4, (Patents Rules 1972), Patent Office Branch, New Delhi-110 005.

## 2 Claims

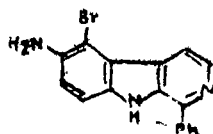
A process for the preparation of 5-bromo-6-methane sulphonamido-1-phenyl-9H-pyrido (3, 4-b) INDOLE HAVING THE FORMULA 1 which comprises,



(i) reacting 6-amino-1-phenyl-9H-pyrido (3, 4-b) indole of the formula 2



with HBr in dimethyl sulphoxide at ambient temperature to furnish 6-amino-5-bromo-1-phenyl-9H-pyrido (3, 4-b) indole of formula 3,



(ii) reacting the said 6-amino-5-bromo-1-phenyl-9H-pyrido (3, 4-b) indole of formula 3 with methane sulphonyl chloride in presence of base like pyridine at 0 to 45°C to give 5-bromo-6-methane sulphonamido-1-phenyl-9H-pyrido (3, 4-b) indoles of formula 1.

(Complete Specification 5 Pages Drawing Sheet - 1).

Ind. Cl. : 32 F8d

183636

Int. Cl.<sup>4</sup> : C07 C - 49/76.

AN IMPROVED PROCESS FOR THE PREPARATION OF PURIFIED PODOPHYLLOTOXIN FROM COMMERCIAL PODOPHYLLIN/CRUDE COMMERCIAL PODOPHYLLOTOXIN (45—90% podophyllotoxin content).

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA.

Inventor(s)

SURINDER MOHAN ANAND,  
SATINDER MOHAN JAIN,  
RANDHIR SINGH KAPIL.

Application for Patent No. 288/Del/95 filed on 22-2-95.

Appropriate Office for Opposition Proceedings Rule 4, (Patents Rules 1972), Patent Office Branch, New Delhi-110 005.

## Claims 4

An improved process for the preparation of purified podophyllotoxin (95 to 97% purity) from commercial podophyllin/crude podophyllotoxin (45—90% podophyllotoxin content) which comprises extracting the commercial podophyllin/podophyllotoxin with an organic solvent over neutral aluminium oxide bed at a temperature within the range of 40—140°C for a period ranging from 1 hr to 14 hrs recovering the purified podophyllotoxin by conventional crystallisation methods.

Complete 14 Pages

Drawings Nil Sheets

Ind. Cl. : 182 C.

183637

Int. Cl.<sup>4</sup> : C 07 H, 1/08.

## PROCESS FOR THE EXTRACTION OF SOLUBLE POLYSACCHARIDES.

Applicant : HERCULES INCORPORATED, A CORPORATION OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, OF 1313 N. MARKET STREET, HERCULES PLAZA, WILMINGTON, DELAWARE 19894-0001, UNITED STATES OF AMERICA.

Inventor(s) : DAVID CHARLES HERAK—U.S.A. and JOHN JAMES HOGLEN—U.S.A.

Application For Patent No. 818/Del/1995 filed on 04th May, 1995.

Convention Application No. 08/264107/U.S.A./22-06-1994.

Appropriate Office for Opposition Proceedings Rule 4, (Patents Rules 1972), Patent Office Branch, New Delhi-110 005.

## 9 Claims

A process for the extraction of soluble polysaccharides from solid vegetable material of the kind such as hereinbefore described optionally mixed with a filler selected from the group consisting of peanut hulls, sunflower seed hulls, Wood fiber, and mixtures thereof comprising passing an extraction fluid of the kind such as hereinbefore described through a fixed bed of a polysaccharide-containing vegetable material to simultaneously hydrolyse and extract the polysaccharide from the vegetable material and separating polysaccharide containing solution from the remaining solid vegetable material.

(Complete Specification 22 Pages

Drawing Sheet-1)

Ind. Class : 60X 2a.

183638

Int. Class.<sup>4</sup> : C07D 498/04.

## A NOVEL PROCESS FOR MANUFACTURING ALKALI MELT SALT OF CLAVULANIC ACID.

Applicant : CHONG KUN DANG CORP, OF 410 SHINDERIM-DONG GURE-GU SEOUL 152 070, REPUBLIC OF KOREA.

Inventors : JUNG WOO KIM, NAM HEE CHOI, GANG SUN CHOI & DON WHA LEE.

Application for Patent No. 1835/Del/95 filed on 06-10-95. Convention date 16-5-95/95-12068/(Korea).

Appropriate Office for Opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-5.

## 7 Claims

A novel process for manufacturing alkali metal salt of clavulanic acid characterized by :

—extracting from impure clavulanic acid in aqueous solution by adding 100—500ml of solvent mixture of ketone and alkyl acetate per 100ml of the aqueous solution including clavulanic acid at a temperature between 00°C to 5°C under acidic conditions, the ketone content of said solvent mixture ranging between 15 to 70% to obtain extracts,

—adding 10-500ml of solution of alkali metal salt of alkanolic acid dissolved in ketone or alkanol solvent to 10-500ml solution of the said extracts to obtain pure alkali metal salt of clavulanic acid.

(Complete specification 10 pages

Drawing nil sheet).

Ind. Cl. : 77 D

183639

Int. Cl.<sup>4</sup> : C 11 B, 11/00.

A PROCESS FOR THE PREPARATION OF PURIFIED RICE BRAN OIL BY SIMULTANEOUS DEWAXING AND DEGUMMING.

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA.

Inventor(s) :

THENGUMPILLIL NARAYANA BALAGOPALA KAIMAL, Indian

SHAIK RAMZAN VALI, Indian

BHAMIDIPATI VENKATA SURYA KOPPEWARA RAO, Indian

PENUMARTHY VIJAYALAKSHMI, Indian

TURAGA CHANDRASEKHARA RAO, Indian

UDAY TRIAMBAK BHALERAO, Indian.

Application for Patent No. 2450/Del/95 filed on 29-12-95.

Complete after Provisional Specification on 27-3-97.

Appropriate Office for Opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch New Delhi-110005.

## 3 Claims

A process for the preparation of purified bran oil by simultaneous dewaxing and degumming which comprises : stirring rice bran oil with water in the ratio of 1:0.1 to 1:1 at a temperature in the range of 48 to 70°C for a period of at least 30 minutes, centrifuging the above mixture for a time period in the range of 4 min. to 60 min. at 7000 to 8000 rpm, optionally repeating the above said steps to obtain clear purified rice bran oil.

Provisional 3 Pages

Drawings Nil Sheets

Complete 12 Pages

Drawings Nil Sheets

Ind. Cl. : 35 E.

183640

Int. Cl.<sup>4</sup> : C 04 B, 35/56, 35/58.

A PROCESS FOR THE MANUFACTURE OF OXIDE NITRIDE COMPOSITE.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT, (ACT XXI OF 1860).

Inventor : JOYDEB MUKERJI, INDIA.

Application for Patent No. 1049/Del/89 filed on 10th November 89.

Complete left after Provisional Specification filed on 31-12-90.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

## 6 Claims

A process for the manufacture of non compatible oxide nitride composite useful as refractory, wear parts, cutting and grinding tools which comprises mixing non compatible nitrides and oxide in a proportion ranging from 10 to 80 mo 1% in the presence of a non aqueous organic solvent such as herein described heating the resultant mixture in the presence of an inert gas or in vacuum at a temperature in the range of 1000°C for 1800°C.

(Prov. Specn. 5 Pages

Drawing Sheet Nil)

(Compl. Specn. 6 Pages:

Drawing Sheet Nil)

Ind. Cl. : 143 D4; 143 D3.

183641

Int. Cl. : B 21 D 51/26.

A METHOD TO MANUFACTURE A TWO CHAMBER PRESSURE PACKING.

Applicant : GERD STOFFEL, A GERMAN NATIONAL OF IN DEN DORPACKERN 21, D-78465 KONSTANZ, GERMANY.

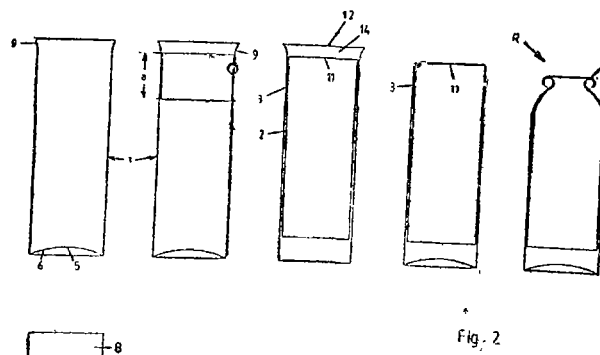
Inventor : IDEM.

Application No. 390/Cal/95; filed on 10-4-95.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

## 3 Claims

A method to manufacture a two-chamber pressure package (R) comprising an outer casing (1) to which an inner body (2), formed from fold-forming or crumblable material, is connected in the region of an adhesive layer (3), the said outer casing (1), adhesive layer (3) and the inner body (2) being placed together around an opening (13) to form a bead (7), characterised in that a ring (14) is removed from the said outer casing (1) and particularly from the said inner body (2) prior to being bent-over to form the said bead (7), the said ring extending between the opening edge (12) of the outer casing (1) and at least one edge (11) of the adhesive layer (3) or the said inner body (2).



(Compl. Specn. 7 Pages;

Drgns. 3 Sheets)

Ind. Cl. : 157 D 3; 158 D.

183642

Int. Cl.<sup>4</sup> : B 60 L 13/04.

## A GUIDEWAY FOR A VEHICLE.

Applicant : JAMES RUSSELL POWELL, A CITIZEN OF THE UNITED STATES OF AMERICA, OF BOX 547, SHOREHAM, NEW YORK 11786, UNITED STATES OF AMERICA. AND GORDON THOMPSON DANBY, A CITIZEN OF THE UNITED STATES OF AMERICA, OF P.O. BOX 12, WADING RIVER, NEW YORK 11792, UNITED STATES OF AMERICA. AND JOHN MORENA, A CITIZEN OF THE UNITED STATES OF AMERICA, OF 4540 SAND PEBBLE TRACE 104, STUART, FLORIDA 34996, UNITED STATES OF AMERICA.

Inventors :

1. JAMES RUSSELL POWELL

2. GORDON THOMPSON DANBY

3. JOHN MORENA.

Application No. 499/Cal/95; filed on 2-5-95.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

## 42 Claims

A guideway for a vehicle having superconducting magnet for providing magnetic levitation of the vehicle, the vehicle being adapted to travel in a longitudinal direction along said guideway, said guideway comprising :

(a) a beam support member (76), optionally mounted on piers (70), for supporting the weight of said vehicle;

(b) a transverse structural slab member (78) formed of non-metallic material mounted on top of said beam support member (76), said structural slab member (78) having a flat, generally horizontal top surface and a bottom surface;

(c) a top structural plate (86) mounted to said top surface of said structural slab member (78), said top structural plate (86) having a flat upper surface;

(d) a breakaway energy absorption structure (108) mounted to said flat upper surface of said top structural plate (86) for absorbing kinetic energy from said magnetic levitation vehicle in the event of loss of magnetic levitation, wherein said energy absorption structure comprise a plurality of pockets (110) filled with particulate matter that can be accelerated by the vehicle as it breaks away the energy absorption structure absorbing kinetic energy of the vehicle;

(e) a first mounting plate (82) for mounting said structural slab member to said beam support member, said first mounting plate comprising a rigid bottom structural plate (82) mounted to said bottom surface of said structural slab member (78), said rigid bottom structural plate (82) including ferromagnetic lift elements (94), for providing lift to said vehicle by magnetic attractive interaction with said superconducting magnets of said vehicle and also for shielding said vehicle from said superconducting magnets;

(f) vertical lift loops (104) for providing vertical lift and stability of said vehicle;

(g) magnetic induction drive coils (102) for propelling said vehicle along said guideway;

(h) lateral stability loops (106), for laterally stabilizing and centering said vehicle with respect to said guideway;

(i) second mounting plates (96) secured to said beam support member (76) for mounting said vertical lift loops (104), said magnetic induction drive windings (102) and said lateral stability loops (106) to said beam support member (76) and said structural slab member (78) disposed on opposing sides of said support beam member (76);

and, optionally there being provided

a sensor (118, 120) mounted to said energy absorption means for detecting the location of said vehicle and the presence of heavy objects contacting said guideway.

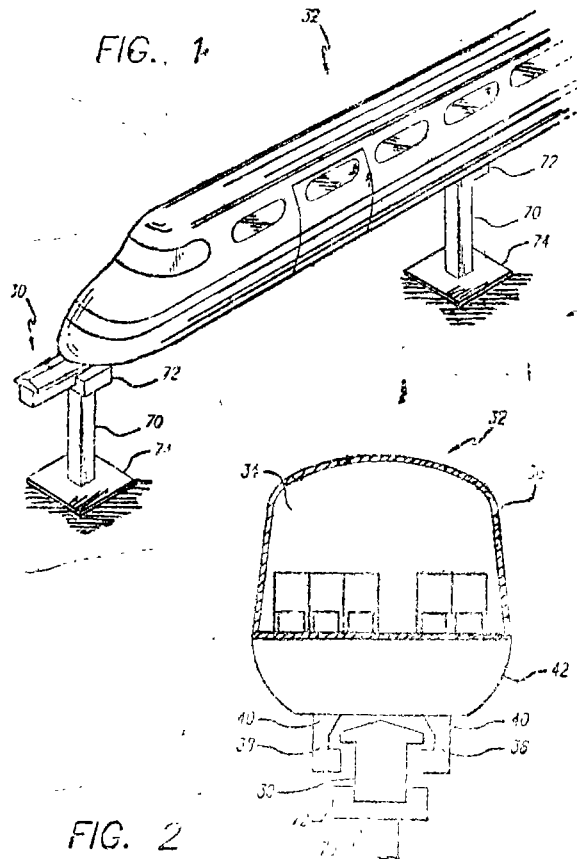


FIG. 2

(Compl. Specn. 44 Pages;

Drgns. 13 Sheets)

Ind. Cl. : 85 J/85 K.

183643

Int. Cl. : F 26 B 17/00.

## A FLUIDIZED BED SYSTEM.

Applicant : COMBUSTION ENGINEERING, INC., A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE, OF 1000 PROSPECT HILL ROAD, WINDSOR, CONNECTICUT 06095, UNITED STATES OF AMERICA.

Inventors :

1. ERNEST LESTER HERTMAN.
2. MICHAEL CHRIS TANCA.

Application No. 528/Cal/95; filed on 10-5-95.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

## 7 Claims

A fluidized bed system which comprises :

a housing;

a floor comprising a plurality of substantially parallel tubes joined by fins to intermediate adjacent tubes; and

a plurality of nozzle assemblies extending vertically in mutually parallel relationship, each of said nozzle assemblies comprising a cylindrical body having a centerline disposed in perpendicular relationship to said floor, each of said bodies comprising a plurality of heads extending radially therefrom at an axial extremity thereof remote from said floor, each of said nozzle assemblies being mounted in a manner that prevents rotation thereof about a geometric axis extending the length of said body, each of said heads being uniformly spaced around the circumferential extent of each of said bodies, each of said heads being cylindrical and having a centerline, each of said centerlines of said heads being disposed at an oblique angle with respect to a horizontal plane.

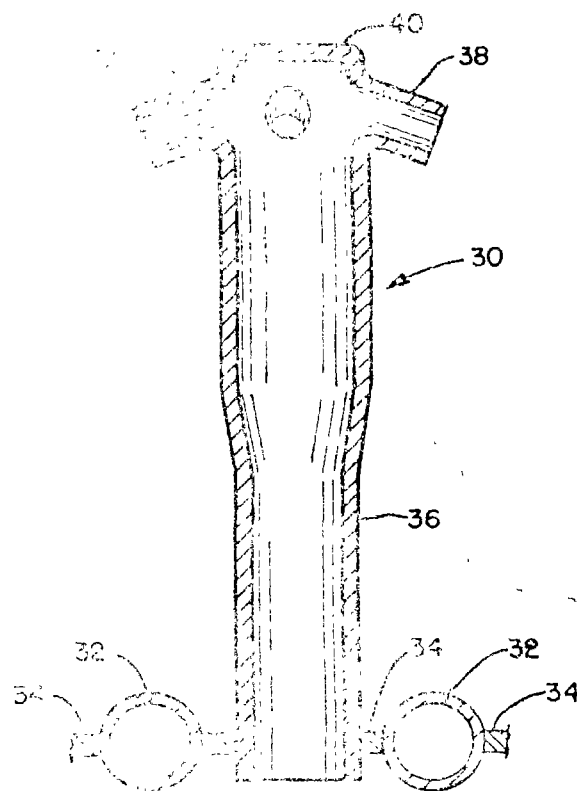


Fig. 4

(Compl. Specn. 11 Pages;

Drgns. 3 Sheets)

Int. Cl. : 48A,

183644

Int. Cl. : H 01 B 13/04.

METHOD AND DEVICE FOR PRODUCING A BASIC UNIT FOR A COMMUNICATIONS CABLE AND A BASIC UNIT PRODUCED THEREBY.

Applicant : SIEMENS AKTIENGESellschaft OF WITTELSBACHERPLATZ 2, 80333 MUENCHEN, GERMANY, A GERMAN COMPANY.

Inventors :

1. OESTREICH, ULRICH;
2. VOGELSBERG, DIETER.

Application No. 773/Cal/95; filed on 6-7-95.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

## 11 Claims

A method of producing a basic unit (GB5) for a communication cable comprising the steps of :

- forming individual wire units (BD1-BD5) out of respective wires (AD1-AD4) by running them into separate standing devices (VS1-VS5) operating with an alternating direction of lay and measures being provided to avoid coincidence between reversal points (U11, U21) in adjacent units (BD1, BD2);
- passing a plurality of said stranded wire units (BD1-BD5) from the exit of the stranding devices (VS1-VS5) to a unit stranding device (VB) thereby forming the basic unit (GB5); characterized in that, the position of the respective reversal points in the stranding devices (VS1-VS5) of the individual wire units (BD1-BD5) is continuously determined by the computing part (UE) of a control unit (STE) and the future position of the reversal points is calculated therefrom by means of measurement transmitters (MG1-MG5) and the evaluation device (UEX) of said control unit (STE); and in that, in the event of establishing a coincidence between future reversal points (U12, U22), a change is carried out in any desired manner, like a change in the number or length of lays via an actuator (for Example SG2) in at least one of the standing devices (VS2) involved, such that the associated future reversal point (U22) is physically displaced (U22\*) in such a manner that it no longer coincides with a reversal point (U12).

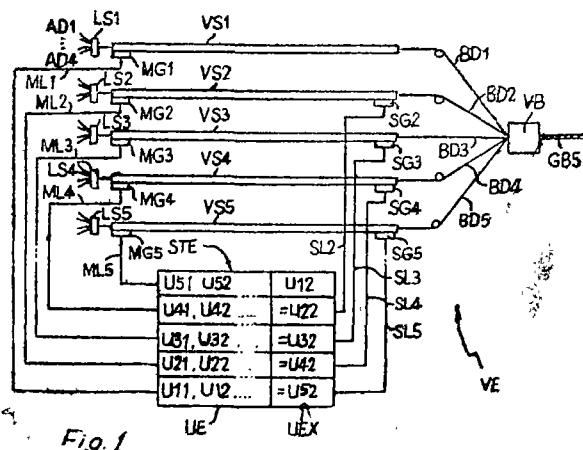


Fig. 1

(Compl. Specn. 15 Pages;

Drngs. 2 Sheets)

Ind. Cl. : 208

183645

Int. Cl. : C 09 D 11/02.

INK FOR CONTINUOUS JET INK PRINTING.

Applicant : SICPA HOLDING SA 2, RUE DE LA PAIX CH-1003 LAUSANNE/SWITZERLAND SWISS COMPANY.

Inventors :

1. AMON ALBERT
2. BOKSANY LASZLO
3. GRUFFEL PASCAL.

Application No. 822/Cal/95; filed on 19-7-95.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

## 11 Claims

An ink for continuous ink jet printing, containing

- Water as a major liquid component,
- at least one dispersed colouring agent in particle form, selected from the group comprising pigments and water insoluble dyestuffs, and
- additives for stabilizing the ink and for adjusting the physical properties of the ink, especially its rheology; substantially all additives having an average molecular weight below 20,000,
- the additives comprising a category of additives having a molecular structure, in which more than 5% of all atoms are hydrogen atoms capable of forming hydrogen bridges, especially hydrogen atoms of hydroxyl groups or amino groups; the additives of this category having a molecular weight of less than 1,000, preferably of less than 500, and
- the particles of said colouring agents have such size distribution that relative to the total volume of the particle of the colouring agents, less than 10% is greater than 200 nm and less than 3% is greater than 300 nm.

(Compl. Specn. 20 Pages;

Drngs. 3 Sheets)

Ind. Cl. : 99 B.

183646

Int. Cl. : B 65 D 19/02.

A METHOD OF PRESERVING PRODUCE FROM DETERIORATION DURING STORAGE OR TRANSPORTATION OF SAID PRODUCE. AND A TRANSPORTABLE CONTAINER THEREFOR.

Applicant : TRANSPHERE SYSTEMS LIMITED, OF 2/174, MARUA ROAD, MT WELLINGTON, AUCKLAND, NEW ZEALAND.

Inventors :

1. RAYMOND PAUL BOSHER.
2. BARNES ROBERT.

Application No. 960/Cal/95 filed on 17th August, 1995.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

## 29 Claims

A method of preserving produce, such as herein described, from deterioration, during storage or transportation of said produce, said method comprising :

- (i) sealing by any known method the produce, loaded into a sealable transportable flexible walled container or onto a pallet (hereinafter called "container") to substantially isolate the gas, such as herein described, surrounding said produce in the container from the surrounding environment, by circulating said gas surrounding said produce amongst the produce and in heat exchange relationship with or through at least part of a sealing periphery of said sealed produce and its associated gas; and
- (ii) maintaining the temperature of the sealed produce/gas environment or lowering the temperature of and then maintaining the temperature of the sealed produce/gas environment at a refrigerating temperature depending on the nature of the produce, by ensuring a controlled refrigerating environment such as here-

in described, outside of said container which is in a heat exchange relationship with said at least part of sealing periphery and thereby said produce/gas environment, while the gas within said container is being circulated therein.

(Compl. Specn. 29 Pages;

Drgns. 9/ Sheets)

Ind. Cl. : 47 E, F.

183647

Int. Cl.<sup>4</sup> : C 10 B 25/15.

COKE OVEN DOOR UNIT INCLUDING SEALING MEMBRANE.

Applicant : KRUPP KOPPERS GMBH, OF ALTENDORFER STRASSE 120, 45143 ESSEN, GERMANY

Inventor : RAINER SCHLOSSER.

Application No. 990/Cal/95 filed on 22nd August, 1995.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972). Patent Office, Calcutta.

#### 6 Claims

A coke oven door unit including a retort frame (1) a door body (2) at least one fixing plate (3) joined to the door body as well as a stopper-means base plate (4) connected to the fixing plate (3) and including a sealing membrane (5) positioned between at least one fixing plate (3) and at least one stopper-means base plate (4) and to which a sealing frame (6) is connected in the region of the retort frame (1), the sealing frame being pressurised by adjustable spring pressure means (7) which are connected to the door body frame (13), including the following characteristics :

said at least one fixing plate (3) being movable from the door body towards and away from the retort (1) using adjusting elements (8),

the adjusting elements (8) containing a pressure bolt sleeve (9) and a resetting bolt (10) guided in the pressure bolt sleeve, the retort,

the pressure bolt sleeve being screwed into the door body (2) and offering screwed adjustment towards and away from the retort,

the resetting bolt (10) offering screwed adjustment in the fixing plate (3) towards and away from the retort (1), containing an outer collar (11) being supported on an inner collar (12) of the pressure bolt sleeve away from the retort,

in which the adjustment elements are set in a way, that the sealing membrane may be adjusted to its membrane level in case of operational deformation.

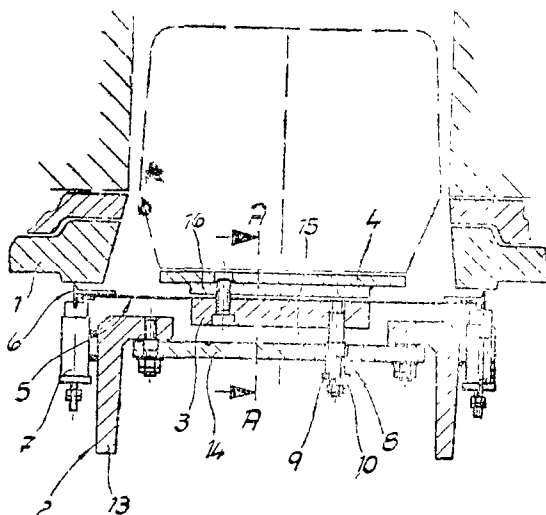


Fig. 1

(Compl. Specn. 9 Pages;

Drgns. 5 Sheets)

Ind. Cl. : 205 F.

183648

Int. Cl.<sup>4</sup> : H 04 L 11/00.

DATA TRANSFER SYSTEM HAVING AT LEAST ONE TERMINAL AND HAVING AT LEAST ONE PORTABLE DATA CARRIER ARRANGEMENT.

Applicant : SIEMENS AKTIENGESellschaft, OF WITTELSBACHERPLATZ 2, 80333 MUNCHEN, GERMANY.

Inventor : DR. HARTMUT SCHRENK.

Application No 1153/Cal/95 filed on 25th September, 1995.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972). Patent Office, Calcutta.

#### 7 Claims

Data transfer system having at least one terminal and having at least one portable data carrier arrangement, which is provided with a non-volatile semiconductor memory (NVM) which has at least a first value area (WBA acting as a counter and representing a debit monetary value, characterized in that,

the non-volatile semiconductor memory (NVM) has a second value area (WBB) acting as a counter,

the value areas (WBA, WBB) of the non-volatile memory (NVM) are connected via a switching device (SV) and a selection logic circuit (AL) to a non-volatile flag memory (FS), which can assume only two states,

the non-volatile flag memory (NVM), the selection logic circuit (AL) and the switching device (SV) being connected to a control device (ST),

the respective state of said flag memory (FS) determining that one of the two value areas (WBA or WBB) which is capable of being enabled into a non-volatile state for reading out and counting but is inhibited for charging,

the respectively other value area (WBB or WBA) is capable of being enabled temporarily into a volatile state for charging, so that in each case at one point in time only one of the value areas (WBA, WBB) is enabled.

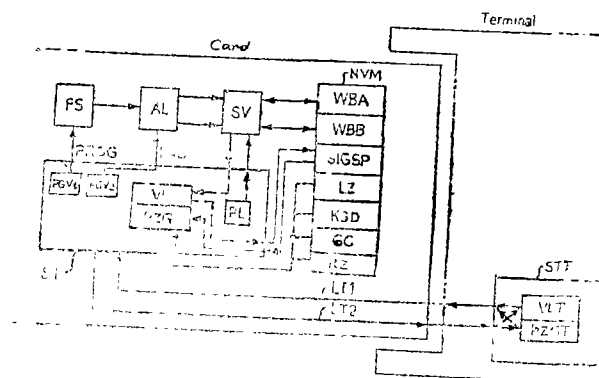


Fig. 1

(Compl. Specn 14 Pages;

Drgn. 1 Sheet)

Ind. Cl. : 53 E.

183649

Int. Cl. : A 63 B 69/16.

BIROBIC BIKE.

Applicant : CAWAS PHIROZE NAZIR OF FLAT NO. 15A, BILKUSHA STREET CALCUTTA-700017, WEST BENGAL, INDIA.

Inventor : CAWAS PHIROZE NAZIR.

Application No. 1133/Cal/95 filed on 30th October, 1995.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

#### 4 Claims

A Birobic Bike comprising of an indoor exercising cycle, built with a conventional exercising cycle frame, stands, a fork, a handle stem, a seat post, a seat, a solid tyred wheel with free wheel, a speed regulator pedal driven chain wheel drive comprising of a chain wheel a axle, pedals, pedal cranks, and a chain characterized in that hand operated driving means to rotate the front wheel are mounted on a front tube fixed to the handle stem, said driving means comprising an axle rotatably mounted in a top bracket said axle having secured to it bent shaped hand cranks with hand grips and a large chain wheel which drives by chain a second chain wheel secured to axle of bottom bracket, said hand cranks having same diameter of rotation as the diameter of rotation of pedal cranks and the chain wheel of hand operated driving means having the same diameter and number of teeth as the two chain wheels of the pedal drive, the conventional handle bar replaced by a short handle bar.

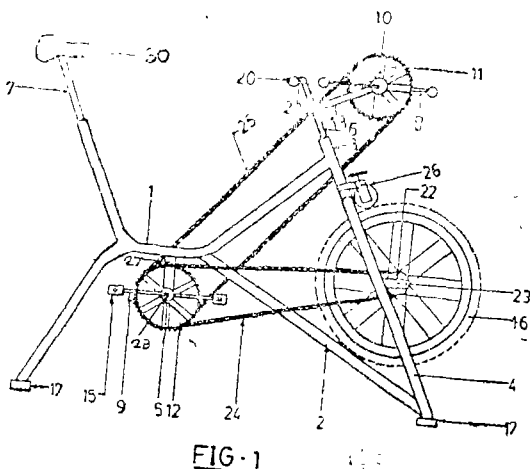


FIG. 1

(Compl. Specn. 6 Pages;

Drgns. 2 Sheets)

Ind. Cl. : 155 A.

183650

Int. Cl. : B 05 B 1/12.

**JET DYEING APPARATUS FOR DYEING TEXTILE MATERIALS IN ROPE FORM.**

Applicant : S. SCLAVOS S.A., OF 5 AG. PANTELEIMONOS STR. GR-122 41 EGALEO, GREECE.

Inventor : ARISTIDES GEORGANTAS.

Application No. 991/Cal/95 filed on 22nd August, 1995.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

#### 7 Claims

A jet dyeing apparatus of the type used in dyeing textile materials in rope form comprising a housing, a liquid treatment chamber positioned in the lower portion of said housing and having an upwardly open inlet and an upwardly open outlet, a fabric transport tube positioned in said housing above the liquid treatment chamber comprising an elongate tubular member having an inlet and an outlet, and defining a path of travel for receiving and transporting a fabric article in rope form therethrough, at least one liquid application jet positioned along said fabric transport tube for applying pressurized liquid to the fabric within the fabric transport tube so as to dye the fabric and advance the fabric along the path of travel defined by fabric transport tube, a recirculating pump for recirculating liquid from the liquid treatment chamber

to the liquid application jet, a plaiting member mounted to the exit end of the transport tube for relative rotation about the transport tube, said plaiting member comprising an outlet nozzle, for depositing the treated fabric into the liquid treatment chamber, liquid bypass member for diverting a portion of the liquid flowing through the fabric transport tube and the plaiting member outside the primary path of travel of the fabric as the fabric is deposited by the outlet nozzle into the liquid treatment chamber, a header in fluid communicating relation with said portion of the liquid flowing through said liquid bypass/member for removing a portion of the liquid from the interior of said housing, said header line being in fluid communicating relationship with said recirculating pump and with a drain assembly.

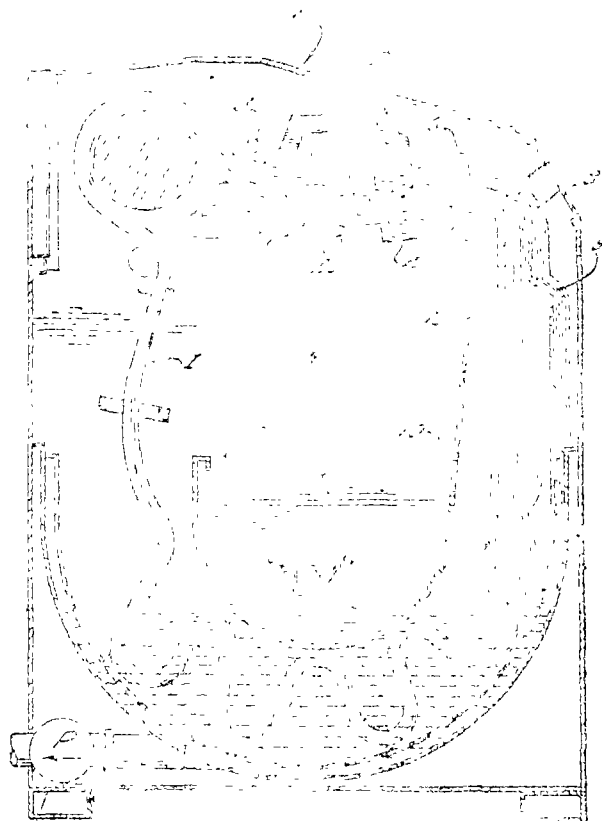


Fig. 1.

(Compl. Specn. 28 Pages;

Drgns. 4 Sheets)

Ind. Cl. : 83 B 4.

183651

Int. Cl. : A 23 C. 3/00.

**AN IMPROVED PROCESS FOR THE PRODUCTION OF MILK BASED SWEETS.**

Applicant : GIST-BROCADES B.V., OF WATERINGSEWEG 1, PO BOX 1, 2600 MA DELFT, THE NETHERLANDS.

Inventors :

1. JACOBUS STARK-NETHERLANDS,
2. NICOLAAS LUDOVICUS MARIA PERSOON, AND
3. FERDINAND THEODORUS JOSEPH VAN RIJN-NETHERLANDS.

Application for Patent No. 921/Del/1995 filed on 23rd May, 1995.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.



## 3 Claims

An improved process for the production of milk based sweets which comprises converting in any known manner cow or buffalo milk or a mixture thereof into milk based sweets, characterized in that during the production from 10 to 100 ppm of natamycin is added to the surface of the milk based sweets by spraying or dipping the milk based sweets in a natamycin containing liquid or suspension and optionally an anti-bacterial preservative is added.

(Compl. Specn. 11 Pages;

Drng. Nil)

Ind. Cl. : 24F.

183652

Int. Cl.<sup>4</sup> : B60T 7/00, 11/00.

## BRAKING SYSTEM FOR TWO WHEELERS.

Applicant : PIAGGIO VEICOLI EUROPEI S.P.A, A COMPANY ORGANISED UNDER THE LAWS OF THE ITALIAN REPUBLIC OF VIALE RINALDE PIAGGIO, 23-PONTEDERA (PISA), ITALY.

Inventor : MARCO NUTI (ITALY).

Application for Patent No. 337/Del/90 filed on 04-04-1990.

Divided out of Patent Application No. 453/Del/87 dated 26th May, 87.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

## 9 Claims

Braking system for two-wheelers which comprises :

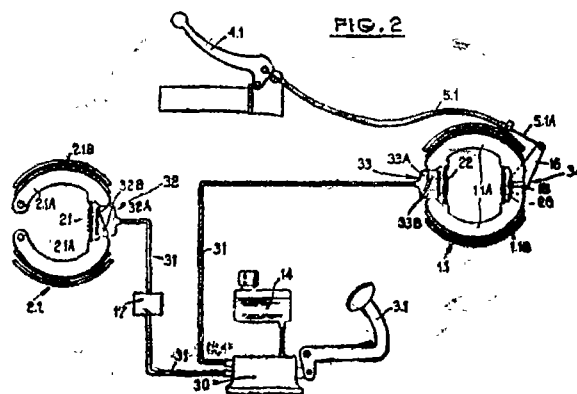
a front wheel braking assembly composed of friction elements in the form of two shoes adapted on actuation to engage a drum, a rear wheel braking assembly likewise composed of friction elements in the form of two shoes adapted on actuation to engage a drum.

a normal duty actuation member connected to both front and rear wheel braking assemblies.

an emergency actuation member connected to only one of said two braking assemblies.

first transmission means located between said normal duty actuation member and said front and rear wheel braking assemblies and second transmission means located between said emergency actuation member and said one of said two braking assemblies for transmitting the actuation forces from said actuation members to the friction elements at least a first and second actuation means provided between and acting upon the adjacently disposed ends of the two shoes of the braking assembly to which both the normal duty actuation member and the emergency actuation member are connected, said first actuation means comprising a hydraulic cylinder and piston device connected by said first transmission means to said normal duty actuation member and the second actuation means comprising a cam connected by said second transmission means to said emergency actuation member, said combination of actuation means with said shoes constituting means for balancing the actuation forces applied by the normal duty

actuation member and the emergency actuation member to the braking assembly to which they are both connected.



(Compl. Specn. 18 Pages;

Drngs. 5 Sheets)

Ind. Cl. : 128 G I. XIX(2).

183653

Int. Cl.<sup>4</sup> : A 61 M 1/00.

## APPARATUS FOR DRAINING BODILY FLUIDS.

Applicant : DEKNATEL TECHNOLOGY CORPORATION, OF 600 AIRPORT ROAD, P.O. BOX 2980, FALL RIVER, MASSACHUSETTS 02722-2980, UNITED STATES OF AMERICA.

Inventors :

1. RICCARDO QUERCIA U.S.A.,
2. QUINTON JAMES FARRAR U.S.A., AND
3. FREDERICK ALAN EVERETT, JR. U.S.A.

Kind of Application : Complete/Divisional.

Application for Patent No. 942/Del/1990 filed on 24th Sep., 1990.

Divisional out of Patent Application No. 833/Del/1987 dt. 22-09-1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

## 12 Claims

Apparatus for draining bodily fluids comprising :

a. a collection chamber (12) for collecting fluids from a body cavity, said collection chamber (12) having an inlet for fluid communication with the body cavity;

b. a suction control chamber (16) for regulating the degree of vacuum imposed in the collection chamber (12) and

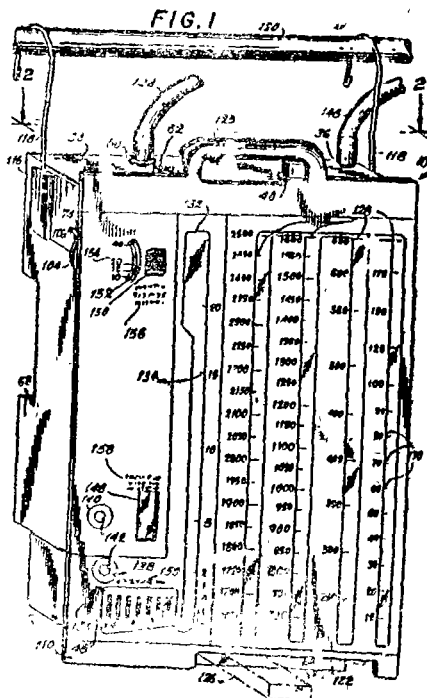
c. a seal chamber (14) between said collection chamber (12) and said suction control chamber (16) and for preventing passage of ambient into the collection chamber (12) said seal chamber (14) comprising;

(1) a large arm compartment (46) having a suction inlet at one end;

(2) a small arm compartment (42) at one end having an opening (54) in communication with said collection chamber (12) and in communication at its other end with the other end of said large arm compartment (46) characterised by;

said small arm compartment (42) having a first chamber (58) adjacent its one end for preventing ambient from passing into said collection chamber (12) when said collection chamber (12) has a relatively high level of negative pressure as herein defined;

a second chamber (59) disposed so as to separate said first chamber (58) of said small arm compartment (42) from said opening (54) into said collection chamber (12) so that any sealing fluid passing from said first containment chamber (58) will enter into said second separation chamber (59) and returns to said first chamber (58) instead of passing through said opening (54).



(Compl. Specn. 44 Pages;

Drgns. 11 Sheets)

Ind. Cl. : 51D.

183654

Int. Cl.<sup>4</sup> : B26B 21/00.

#### A SAFETY RAZOR.

Applicant : THE GILLETTE CO., A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, OF PRUDENTIAL TOWER BUILDING, BOSTON, STATE OF MASSACHUSETTE, UNITED STATES OF AMERICA.

Inventors :

1. BRAHAM JOHN SIMNS (U.K.) &
2. BRIAN OLDROYD (U.K.).

Application for Patent No. 499/Del/91 filed on 6-6-91.

Convention application date 11-6-90/9012979.2/(U.K.) & 19-7-90/9015898.1/(U.K.).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972). Patent Office Branch, New Delhi-110005.

#### 12 Claims

A safety razor comprising a frame supporting one or more blade members and a guard member in a manner permitting perpendicular movement of the blade members relative to the frame and against resilient restoring forces in response to forces encountered during a shaving operation, characterized in that the or each blade member is provided with pivotal mounting means supported in said frame for angular movement of said respective blade member about an axis parallel with the blade edge and in a direction which reduces the shaving angle of each said blade member in respect an increase in drag forces, said drag forces acting in parallel with the

direction of shaving to move one of the or each blade member and guard member relative to the frame.

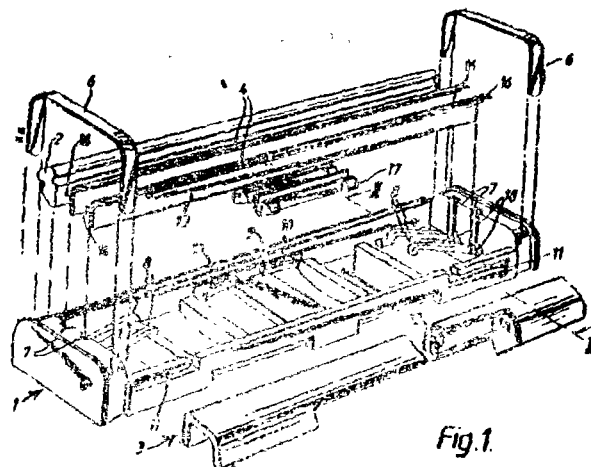


Fig. 1

(Compl. Specn. 21 Pages;

Drgns. 8 sheets)

Ind. Cl. : 143D<sup>1</sup>.

183655

Int. Cl.<sup>4</sup> : B 65 B 1/00.

#### A METHOD AND APPARATUS FOR FORMING A WRAPPED UNITIZED CONTAINER FOR LIQUID, POWDER, GRANULES OR SOLID MATERIAL.

Applicant : FIRST GREEN PARK PTY. LTD., A COMPANY INCORPORATED UNDER THE LAWS OF THE STATE OF VICTORIA, OF 34-36 LAKESIDE AVENUE, RESERVOIR, VICTORIA 3073, AUSTRALIA.

Inventors :

- PETER JOHNSTONE AUSTRALIA,  
GARY EMMERTON AUSTRALIA,  
PAUL JAMES FITZPATRICK NEW ZEALAND,  
PEREHMA HANARA NEW ZEALAND, AND  
LINDSAY GEORGE WYBORN NEW ZEALAND.

Application for Patent No. 737/Del/1991 filed on 9th August 91.

Convention date 9-8-90/PK-1658/Australia.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972). Patent Office Branch, New Delhi-110005.

#### 8 Claims

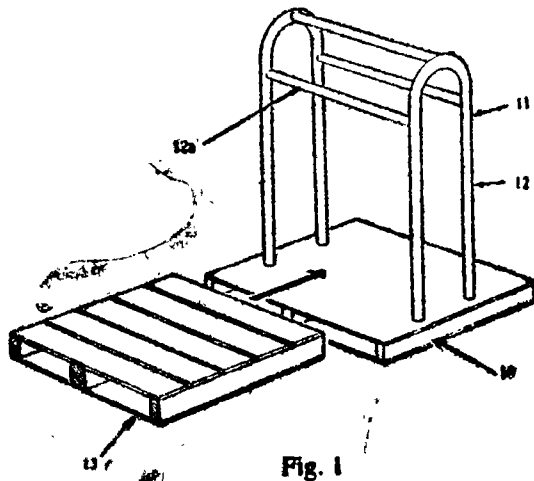
A method for forming a wrapped unitized container for liquid powder, granules and solid material comprising the steps of :

forming an open frame (11) bounding an open space having a volume approximating the volume of said unitized container;

Applying plastic film under tension around said open frame to form said container open to one end and having a closed bottom with the frame in place :

filling the container through said open end at least partially with said material;

separating said frames from said film after at least partially filling; enclosing said open end of said container to form a totally closed container.



(Compl. Specn. 20 Pages: Drngs. 14 Sheets)

Ind. Cl. : 45 E 183656  
Int. Cl.<sup>1</sup> : E 03 B 11/00, 17/00

DEVICE TO BE USED IN CONSTRUCTING A FLUID MANIFOLD.

Applicant : MIDTEC, INC., OF AMERICA, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF KANSAS, UNITED STATES OF AMERICA, OF 901 N. VANGUARD, McPHERSON, KANSAS 67460, UNITED STATES OF AMERICA.

Inventors :

LEONARD LEO MILLER (USA) &  
WILLIAM KEITH SWINEHART (USA)

Application for Patent No. 875/Del/92 filed on 29-9-92.

Divided out of Patent Application No. 578/Del/89 filed on 3-7-89.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

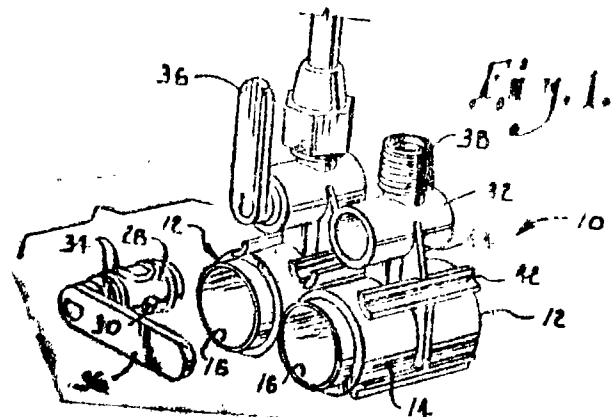
(5 Claims)

A device to be used in constructing a fluid manifold said device comprising :

a tubular fitting having three flat exterior equal length surfaces and presenting a hollow interior and being further characterised by a fluid conducting male end and a fluid conducting female end, said female end for receiving in locking relationship the male end of another like configured fitting;

seal means coupled with one of said male end and said female end for presenting a resilient fluid tight seal when joined with the opposite end of another like configured fitting; and

valve means coupled with said fitting on a fourth side of said fitting between said ends and in fluid communication with said hollow interior.



(Compl. Specn. : 10 pages; Drwg. : 2 sheets)

Ind. Cl. : 32 E 183657  
Int. Cl.<sup>1</sup> : C 08 G 63/00

A PROCESS FOR THE PREPARATION OF NOVEL POLY FUNCTIONAL IMIDO ACIDS.

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA.

Inventor(s) :

MOHAN GOPALKRISHNA KULKARNI, INDIA  
NANDA BHAUSAHEB GHORPADE, INDIA

Application for Patent No. 317/Del/94 filed on 23-3-94.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

(7 Claims)

A process for the preparation of novel polyfunctional imido acids, which comprises, condensing protected polyfunctional amino acids having conventional protected group such as here in described with cyclic anhydrides such as here in described in the presence of polar solvent at reflux temperatures, with constant stirring under an inert atmosphere, cooling and filtering the reaction mixture to remove unreacted material, concentrating the reaction mixture and pouring it into ice cold water to precipitate out the corresponding polyfunctional imido acid, followed by recovering the said precipitated imido acid by known methods.

(Complete 9 Pages: Drawing Nil Sheet)

Ind. Cl. : 55 E 183658  
Int. Cl.<sup>1</sup> : A 61 K 35/78

"A PROCESS OF PREPARING A SYNERGISTIC HOMEOPATHIC COMPOSITION FOR TREATMENT OF ANAEMIA, VARIABLE APPETITE, GRINDING OF TEETH, IT'CHING OF ANUS, ABDOMINAL PAIN."

Applicant : SBL LIMITED AN INDIAN COMPANY OF 14 & 15, "ARUNACHAL" 19, BARAKHAMBA ROAD, NEW DELHI-110001, INDIA.

Inventor(s) :

DR. JUGAL KISHORE—INDIA  
OM PRAKASH JAIN—INDIA and  
DR. BEENA THOMAS—INDIA

Application for Patent No. 995/Del/95 filed on 30th May, 1995.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

## (2 Claims)

A process for preparing a synergistic homeopathic composition for the treatment of anaemia, variable, appetite, itching in anus and abdominal pain comprising :

(i) obtaining herbal extracts of Filix Mas (male fern root), Chelone Glabra (herb-whole plant) and Sabadilla (dried seeds), in any known manner with ethyl alcohol.

(ii) potentiising the above herbal extracts individually in any known manner in distilled water or alcohol at the ratio 1:9 to obtain the power of 1—3.

(ia) potentizing individually in any known manner the chemical ingredients, Cupric oxide (Cuprum Oxydatum Nigrum) and Santonine (Santonium) in lactose in the ratio 1:9 to obtain the power of 3—6.

(iv) mixing products of steps (i) and (iii) in equal proportions by volume/weight at ambient temperature to form the said homeopathic composition.

(Compl. Specn. : 9 Pages;

Drwg. : Nil Sheet)

Ind. Cl. : 55 E<sub>4</sub>

183659

Int. Cl.<sup>4</sup> : A 61 K 35/00

**A PROCESS FOR PREPARING A SYNERGISTIC HOMEOPATHIC COMPOSITION FOR THE TREATMENT OF GENERAL WEAKNESS AND LOSS OF APPETITE.**

Applicant : SBL LIMITED, AN INDIAN COMPANY OF 14-15 "ARUNACHAL" 19 BARAKHAMBHA ROAD, NEW DELHI-110001, INDIA.

## Inventors :

JUGAL KISHORE, INDIA  
OM PRAKASH JAIN &  
BEENA THOMAS, INDIA

Application for patent No. 1076/Del/95 filed on 12th June, 95.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

## (3 Claims)

A process of preparing a synergistic homeopathic composition for the treatment of general weakness and loss of appetite, said process comprising

(i) obtaining individually extracts of the following herbal plants in a known manner such as herein described with alcohol in the ratio of 1:9

Alfaalfa (whole plant except root)  
Avena Sativa (Fresh seed)  
Ginseng (Root)  
Cinchona officinalis (Bark)  
Hydratis canadensis (Fresh root)

(ii) triturating kali arsenicum, Ferrum acetium, Vanadium and Kali phosphoricum in lactose in the ratio 1:9 to obtain a predetermined potency.

(iii) adding sodium benzoate (C<sub>6</sub>H<sub>5</sub>CO<sub>2</sub>Na) to sugar syrup.

(iv) mixing in any known manner such as hereindescribed the said ingredients of steps (i) and (ii) to the sugar syrup one at a time.

(v) Filtering the said composition.

(Compl. Specn. : 11 pages.

Ind Cl. : 55E<sub>4</sub>

183660

Int. Cl.<sup>4</sup> : A61K 13/00.

**AN IMPROVED PROCESS FOR THE ISOLATION OF ORYZANOLS FROM CRUDE DARK ACID OIL (RICE BRAN).**

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAJ MARG, NEW-DELHI, INDIA AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

## Inventors

1. PRASHANTA KUMAR DAS
2. ARBINDA CHAUDHURI
3. THENGUMOILLIL NARAYANA
4. BALAGOPALA KAIMAL
5. UDAY TRIAMBAKARAI BHALLERAO—INDIANS

Application for Patent No 2439/Del/95 filed on 14th August, 1996.

Complete left after Provisional filed on 14-8-96.

Appropriate Office for Opposition Proceeding (Rule 4, Patent Rules, 1972), Patent Office Branch, New Delhi-110005.

## 5 Claims

An improved process for the isolation of oryzanols from crude dark acid oil (Rice bran) which comprises (a) distilling the crude dark acid oil by conventional methods to produce oryzanol entrapped residue, (b) hydrolyzing the said residue by conventional methods, (c) dissolving the hydrolyzed product in water to form oryzanol containing micellar aggregates and adding dropwise aqueous solution of calcium chloride to form precipitate, (d) drying the precipitate & extracting the oryzanols from dried precipitate with polar organic solvent and (e) purifying the oryzanols from the organic extract by conventional column chromatography if desired.

(Prov. Specn. 6 Pages;

Drgn. : nil sheet)

(Compl. specn. 16 Pages;

Drwng. sheet Nil)

Ind. Cl. : 62 E.

183661

Int. Cl.<sup>4</sup> : C 11 D 3/95.

**A BLEACH GRANULES FOR AN HARD AND SOFT LAUNDRING.**

Applicant : THE PROCTER & GAMBLE COMPANY, A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF OHIO, UNITED STATES OF AMERICA, OF ONE PROCTER & GAMBLE PLAZA, CINCINNATI, STATE OF OHIO 45202, UNITED STATES OF AMERICA.

## Inventors

1. EDWARD EUGENE GETTY—U.S.A.
2. KATHILEEN BRENNER HUNTER—U.S.A.
3. EUGENE STEVEN SADILOWSKI—U.S.A.

Application for Patent No. 313/Del/1991 filed on 11th April, 1991.

Appropriate Office for Opposition Proceeding (Rule 4, Patent Rules, 1972), Patent Office Branch, New Delhi-110005.

## 7 Claims

A bleach granule for hard or soft water laundering, comprising :

(a) from 5 to 70 weight % nonylamide of peroxyadipic acid (NAPAA) with an average particle size of from 0.1 to 260 microns, preferably 5 to 100 microns;

(b) from 1 to 40 weight % bleach-stable surfactant selected from the group consisting of anionics, nonionics, amphoterytics, zwitterionics and combinations thereof; and

(c) from 10 to 95 weight % hydratable, nonylamide of peroxyadipic acid (NAPAA)—compatible material. Preferably sodium sulfate; wherein additional are not added to the nonylamide of peroxyadipic acid (NAPAA) or the bleach granule, and wherein neither nonylamide of peroxyadipic acid (NAPAA) nor the bleach granule contain boric acid.

(Compl. Specn. : 28 pages;

Drgn. : nil sheet)

Ind. Cl. : 32 E.

183662

Int. Cl.<sup>4</sup> : C08F, 222/02.

A PROCESS FOR THE PREPARATION OF POLY (1, 4-BENZOATE-CO-1, 3-PHENYL OCTANOATE), A THERMOPLASTIC LIQUID CRYSTALLINE COPOLYMER.

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001 INDIA.

#### Inventors

1. CHENNAKATTU KRISHNA SALASIVAN PILLAI, INDIAN
2. DAVID COLIN SHERRINGTON, U.K.
3. ANDREW SNEDDON, U.K.

Application for Patent No. 680/Del/92 filed on 29-7-92

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972), Patent Office Branch, New Delhi-110005.

#### 4 Claims

A process for the preparation of poly (1, 4-benzoate-co-1, 3-phenyl octanoate) a thermoplastic liquid crystalline copolymer, which comprises copolycondensing, 8(3-hydroxy phenyl) octanoic acid with p-hydroxybenzoic acid in the ratio ranging from 0.8:1 to 2:1 using triphenyl phosphine dichloride in chlorobenzene as the phosphorelating agent at refluxing temperature in the presence of conventional acid acceptor such as herein described.

(Compl. Specn. : 8 pages;

Drgn. : 1 sheet)

Int. Cl. : 32 E.

183663

Int. Cl.<sup>4</sup> : C08G 63/00.

A PROCESS FOR THE PREPARATION OF A NOVEL TRIFUNCTIONAL AMINO ACID BASED PENDENT CHAIN LINKED BIODEGRADABLE POLYMERS.

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA.

#### Inventors

1. MOHAN GOPALKRISHNA KULKARNI, INDIAN
2. NANDA BHUSAHEB GHORPADE, INDIAN

Application for Patent No. 318/Del/94 filed on 23-3-94.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972), Patent Office Branch, New Delhi-110005.

#### 10 Claims

A process for the preparation of a novel trifunctional amino acid based pendent chain linked biodegradable polymers useful for in delivery of a drug to a target organ which comprises, mult polymerising monomer of aliphatic or aromatic diacid and deprotected diacetyl derivative of a novel trifunctional imido acid of a general formula shown in the drawing accompanying this specification where in n ranges from 1 to 4 and R and R' = H or benzyl group and wherein the free carboxylic group being linked with any

known active agent with the help of corresponding conventional coupling reagent, to obtain the corresponding pendent chain polymer, if desired purifying the polymers or copolymers by known methods such as here in described.

(Compl. Specn. : 18 pages;

Drgn. : 1 sheet)

Ind. Cl. : 32 F 2a.

183664

Int. Cl.<sup>4</sup> : C 07 J, 41/00, 73/00.

A PROCESS FOR PREPARING URETHANE-CONTAINING AMINOSTEROIDX COMPOUNDS.

Applicant : THE PROCTER & GAMBLE COMPANY, A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF OHIO, UNITED STATES OF AMERICA, OF ONE PROCTER & GAMBLE PLAZA, CINCINNATI, OHIO 45202. UNITED STATES OF AMERICA.

#### Inventors

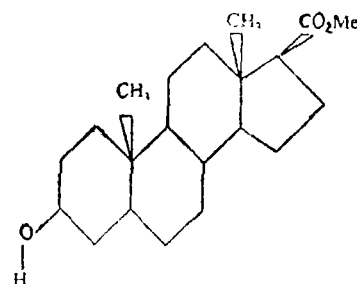
1. YU CHIA-NIEN—U.S.A.
2. GENAIN GILLES YVES—U.S.A.
3. BOUJO RACHEL—FRANCE

Application for Patent No. 1238/Del/1994 filed on 30th September, 94.

Appropriate Office for Opposition Proceedings Rule 4, (Patent Rules, 1972), Patent Office Branch, New Delhi 110005.

#### 12 Claims

A process for preparing urethane containing 14-amino-steroid compounds comprising introduction of an amino group in the 14 position and a urethane group in the 3 position of a steroid of the formula :



wherein the introduction of the amino group and the urethane group may be effected in either order and

(A) where the introduction of the amino group is effected first, the 3 position is blocked followed by subjecting the said 3-substituted steroid to the following step :

introducing an amino group at the 14 position on the said steroid nucleus, wherein said amino group is diastereoselectively introduced onto the 14-position of the steroid nucleus via an iodoisocyanate addition comprising the steps of :

- (a) adding the iodoisocyanate to the 14-15 position double bond on the steroid nucleus; and
- (b) dehalogenation; and
- (c) isocyanate conversion to the amine moiety on the 14-position of the steroid nucleus;
- (d) thereafter removing the blocking group from the 3-position in a conventional manner; and

(B) introducing the urethane group by first reaction with a reagent selected from the group consisting of 1,1'-carbonyl diimidazole, para-nitrophenyl chloroformate, and 1,1'-thiocarbonyl-diimidazole and thereafter with an amine as amine as herein described, and where the introduction of the urethane group is first introduced, steps A and B are reversed and the steps of blocking and unblocking the 3-position are omitted.

(Compl. Specn. : 167 pages;

Drgn. : nil sheet)

Ind. Cl. : 32 F (2b).

183665

Int. Cl.<sup>1</sup> : C 07 D, 249/16, 279/32.**A PROCESS FOR THE PREPARATION OF TRIAZOL BENZOX A (THIA) ZIN-1-ONES COMPOUND.**

Applicant : INDIAN DRUGS & PHARMACEUTICALS LIMITED, IDPL COMPLE, DUNDAHEA, DELHI-GURGAON ROAD GURGAON-122016 INDIA.

Inventor(s) : DR. GARIMELLA KRISHNA ANJANEYA SUBRAHMANYA SAMBHO NARAYAN—INDIA, DR. VENKATASUBRAMANIAN HARIHARAKRISHNAN—INDIA, MR. KOTHAKAPU VEMANA—INDIA, DR. CHEBOLU SRIKRISHNA—INDIA AND MR. BARATULA ESWAR RAO—INDIA.

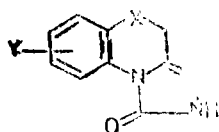
Kind of Application : Complete.

Application for the Patent No. 1536/Del/94 filed on 28th November, 94.

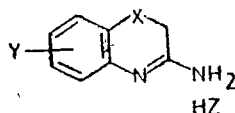
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

## 16 Claims

A process for preparation of triazole benzoxa (Thia) Zin-1-ones compounds of general formula 1,

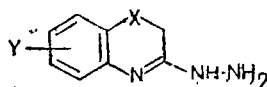


wherein X=S and Y=H optionally substituted in 6—, 7—, 8—and (or) 9 position comprising reacting the compound of general formula 3.



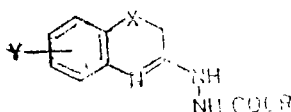
Formula 3

with anhydrous hydraine or its hydrate in a polar organic solvent at 20—60°C to obtain the compound of general formula 4,



Formula 4

reacting said compound of general formula 4 thus obtained with alkyl chloroformate in an aprotic organic solvent (polar/non polar) using an organic base at 20—80°C to obtain compound of formula 2,



Formula 2

wherein X and Y have the usual meanings as defined earlier and subsequently subjecting said compound of general formula 2 to cyclisation such as herein described in water miscible organic solvents in the presence of 1.2—2.0 moles

per mole of substrate of inorganic base and 0.5 to 10 mole percent of a phase transfer catalyst as herein described to obtain the desired compound of formula 1.

(Compl. Specn. : 17 pages;

Drgn. : 1 sheet)

Ind. Cl. : 128 F.

183666

Int. Cl.<sup>1</sup> : A 61 M 15/00.**AN INHALER FOR DISPENSING POWERED MEDICAMENT.**

Applicant : PLURICHEMIE ANSTALT, A LIECHTENSTEIN CORPORATION OF FL-9490 VADUZ, LIECHTENSTEIN.

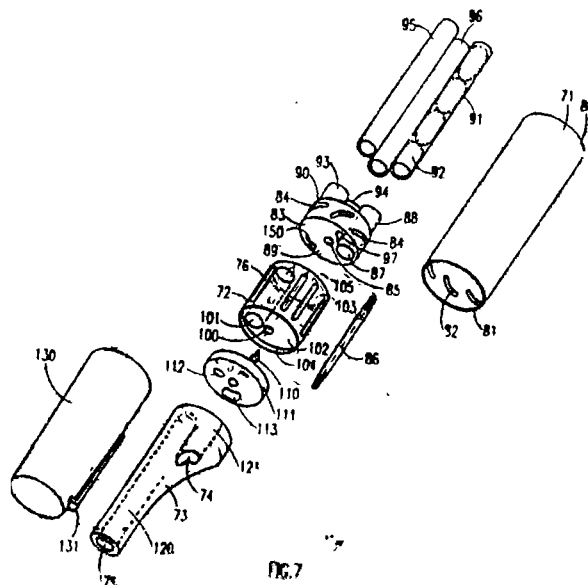
Inventors : PETER VILLAX (ENGLAND), RUI PERES (ENGLAND), WILLIAM RICHARD TRENEMAN (ENGLAND), IAIN GRIERSON MCDERMOTT (ENGLAND) & MARTIN BUNCE (ENGLAND).

Application for Patent No. 64/Del/95 filed on 17-1-95.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

## 9 Claims

An inhaler for dispensing a powdered medicament comprising : an inhalation tube (1) having a first, downstream end (2) for a person to draw air therethrough and a second, upstream end (3); a medicament holder (4) for holding a quantity of medicament in the form of a fine powder; a holding chamber in said inhalation tube (1) upstream of the first end (2) for stationarily holding therein said medicament holder relative to said inhalation tube (1) during inhalation; an air inlet (6) in the inhalation tube (1) for admitting a first flow of air in response to the suction of a person inhaling through the first end (2) of the inhalation tube (1) and air drawing means (7, 8) for causing a second flow of air through said medicament holder (4) and fluidizing said powder within said medicament holder (4) in response to the suction of a person inhaling through said first end (2) of said inhalation tube (1), said air drawing means (7, 8) having at least one air entry hole (7) and at least one air exit hole (8) in the medicament holder (4), area of said entry hole (7) or holes being substantially smaller than the area of said air exit hole (8) or holes so as to cause the powder to fluidize inside the medicament holder; wherein the total area of said air entry holes (7) and air exit holes (8) is such that said second flow of air comprises no more than about 20% of the air passing through said inhaler.



(Compl. Specn. : 15 pages;

Drgrs. : 2 sheets)

Ind. Cl. : 53 E [L 11 (5)].  
Int. Cl. : B 62 K, 21/06.

183667

# A METHOD OF MANUFACTURING A BEARING RETAINER WITH AN INTEGRAL CUP FOR A BRACKET AXILE UNIT OF A BICYCLE.

Applicants : LIN JIN-CHEN, No. 173, KUEL SUEI STREET, KAOSHIUNG CITY, TAIWAN. LIN MING-CHANG, NO. 66, HUAI AN STREET, KAOSHIUNG CITY, TAIWAN.

Applicant No. : 431/Bom/1995 filed Oct 5, 1995.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Mumbai-400 013.

## 2 Claims

A method of manufacturing a bearing retainer with an integral cup for a bracket axle unit of a bicycle from a substantially workpiece, comprising; sizing a workpiece by cutting off from a piece of stock and removing irregularity edges from the end faces; first forging operation by means of a cooperating punch and die to form a barrel like workpiece having a closed end and an open end; said closed end having a dent defining a recess therein; second forging operation by means of a cooperating punch and die to exert pressure in an axle direction on opposite face of said barrel like workpiece to form a cup in said closed end and an enlarged portion at the exterior of said open end; third forging operation by means of a cooperating punch and die to exert pressure in an axle direction on opposite faces of said workpiece after said second forging operation to form a circular tapered end at the exterior of said open end; fourth forging operation by means of cooperating punch and die to exert pressure in an axle direction on opposite faces of said workpiece after said third forging operation to flatten said flattened end to form a flange; fifth forging operation by means of cope cooperating punch and die to exert pressure in an axle direction on opposite faces of said workpiece after said fourth operation to forge a centrally through hole interconnecting said cup and said bearing retainer, to forge retaining apertures equally spaced from each other on said flange of said bearing retainer, and to forge threads on the exterior of said cup, wherein after a final treatment including touching and heat treatment the bearing retainer with an integral cup.

(Compl. Specn. : 8 pages

Drgns. 6 sheets)

Ind. Cl. : 83 A1 Gr. [XIV (5)]  
Int. Cl. : A 23 L-1/00.

183668

# A PROCESS FOR MANUFACTURE OF LOW-FAT HIGH-FIBER CARROTS GRANULES USING AQUEOUS SYSTEM.

Applicants : RAPTAKOS, BRETT & CO., LIMITED AT DR. ANNIE BESANT ROAD, WORLI, MUMBAI-400025, MAHARASHTRA, INDIA, AN INDIAN COMPANY.

Inventor : MILIND KESHARLAL BIYANI.

Patent Application No. : 498/Bom/95 dated 24-11-95 with provisional specification.

Complete after provisional specification filed on 21-11-96.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Mumbai-400 013.

## 5 Claims

The process of manufacture of low fat high fibre carrot granules using aqueous systems comprises the steps of :

- Cleaning of carrots;
- Grinding of washed carrots in a juicer to make slurry;
- Filtration of pulp and separation of liquid;
- Treating of liquid with carboxylic acid to remove fat;

(e) Supercentrifugation to remove trace solids from the liquid;

(f) Concentration of liquid under vacuum, below 60°C;

(g) Blending of liquid extract with the pomace (residue);

(h) Drying;

(i) Granulation and sieving;

(Prov. Specn. : 5 pages;

Drgn. : nil)

(Compl. Specn. : 8 pages;

Drgn. : nil)

Ind. Cl. : 134 A, 86 C.

183669

Int. Cl. : A 47 B 5/02, B 60 R 27/00.

# A FOLDABLE TABLE UNIT FOR USE IN AUTOMOBILE VEHICLE.

Applicants : LENDL WILHELM OF FORSTSTRABE \*18, 73666 BALTMANNSEWELER, GERMANY.

Inventors : LENDL WILHELM.

Application No. : 320/Bom/95 filed Dec. 12, 1995.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Mumbai-400 013.

## 11 Claims

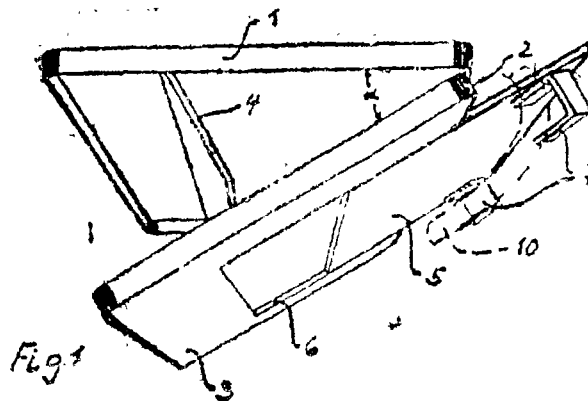
A foldable table unit for use in automobile vehicle comprising a table top pivotably connected at its forward edge to a receptacle member by means of hinges forming complementary lid and bottom of a container;

fixture means for maintaining selective angular orientation between the said table top and the said table top and the said receptacle member;

hook means provided in said receptacle member for releasably connecting said table unit to said steering wheel,

lip means forming at least one recess in one of said table top means and said receptacle member in facing relationship thereby to form a substantially enclosed container when said table top means and said receptacle members are in their closed position; and

locking means of said table top means and said receptacle member in their closed position.



(Compl. Specn. : 15 pages;

Drgns. : 2 sheets)

Ind. Cl. : 143 [XL, (5)]

183670

143 D-5

Int. Cl. : B 65 B-23/22

**A FLUORESCENT TUBE PACKING MACHINE.**

Applicants : CROMPTON GREAVES LIMITED, I. DR. V. B. GANDHI MARG, MUMBAI-400023, MAHARASHTRA, INDIA.

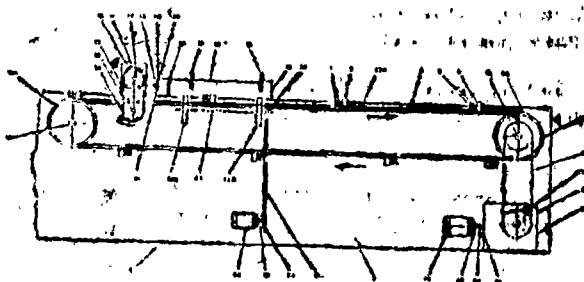
Inventor : (1) DATTATREY AMRIT PATIL.

Application No. 538/Bom/95 filed on 21-12-95.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, Mumbai-13.

**3 Claims**

A fluorescent tube packing machine consisting of a corrugated paper dereeler and cutter assembly, an endless main conveyor rotatable in the horizontal plane and an endless outfeed conveyor rotatable in the horizontal plane disposed in tandem, the main conveyor being provided with tube holders, tube stopper and paper retainer pins and associated with a box former, a gum tape dereeler and a gum tape cutter mounted on the main conveyor frame, the packing machine further consisting of an endless infeed conveyor disposed laterally of the main conveyor and rotatable in the horizontal plane, the infeed conveyor being at a higher level than the main conveyor and the outer end of the infeed conveyor being close to the main conveyor, the infeed conveyor being provided with tube feed means at the outer end thereof, characterised in that tube feed means consists of a shaft member disposed above and along the main conveyor across the outer end of the infeed conveyor and rotatably mounted on the main conveyor frame, tube receiving and transferring means comprising at least two discs rigidly mounted on the shaft member spaced apart from each other, each of the discs being provided with a plurality of open slots along the periphery thereof corresponding to the outer profile of the fluorescent tube to be packed, tube sliding means comprising at least two tapered members disposed above and across the main conveyor spaced apart from each other and mounted on the outer end of the infeed conveyor frame, the tapered members extending to and sloping down towards the disc, and a drive means connected to the shaft member and to the main conveyor.



Compl. Specn. 16 Pages;

Drgs. 4 Sheets

**OPPOSITION PROCEEDING**

An opposition has been entered by Dr. Raj Mehrotra, Professor, Post-Graduate, Department of Pathology, King George Medical College, Lucknow to the grant of patent on application No. 183199 (331/Del/95).

An opposition has been entered by Dabur India Limited, New Delhi to the grant of patent on application No. 183199 (331/Del/95).

An opposition has been entered by Dabur India Limited, New Delhi to the grant of patent on application No. 183200 (610/Del/95).

An opposition has been entered by Dr. Raj Mehrotra, Professor, Post Graduate, Department of Pathology, King George Medical College, Lucknow to the grant of Patent on Application No. 193200. (610/Del/95).

**RENEWAL FEES PAID**

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**PATENT SEALED ON 11-02-2000**

182799\*D 182811 182831 182832\* 182835\* 182892 182894  
182895\*F 18296\* 182897\* 182899 182900

CL-01, DEL-03, MUM-08, CHEN-NIL

\*Patent shall be deemed to be endorsed with words LICENCE OF RIGHT Under Section 87 of the Patents Act, 1970 from the date of expiration of three years from the date of sealing.

D Drug Patents.



## REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 59 of the Designs Act, 1911.

The date shown in the each entries is the date of registration included in the entries.

Class 3. Nos. 179835 to 179837, N. K. Industries of 146, B. K. Pal Avenue, Calcutta-700005, State of West Bengal, India, a partnership firm, "VALVE", 5th July 1999.

Class 1. No. 179806, Dr. Navdeep Singh Khaira, 833/3, Krishna Nagar, Opp. Aarti Cinema, Ludhiana, Punjab, India, an Indian proprietorship firm, "INFUSION TUBE", 29th June 1999.

Class 3. Nos. 181127 to 181133, Kranti Electric Engineering Pvt. Ltd. of C 1/B-239/1 GIDC Aji Vambat, Rajkot 360003, Gujarat, India, Indian Company, "AGRICULTURAL ROTOR", 21st December 1999.

Class 10. No. 179820, Apex Shoe Co. Pvt. Ltd. A-46, Naraina Industrial Area, Phase I, New Delhi-28, India, a company duly incorporated under Indian Companies Act, 1956, "FOOTWEAR", 1st July 1999.

Class 10. 179768, Apex Shoe Co. Pvt. Ltd. A-46, Naraina Industrial Area, Phase I, New Delhi-28, India, a company duly incorporated under Indian Companies Act, 1956, "FOOTWEAR", 22nd June 1999.

Class 1. No. 179896, Capital Metal Industries, 129-130-R, Industrial Area-B, Ludhiana, Punjab, India, an Indian partnership firm, "SHEET METAL BOBBIN WINDER", 13th July 1999.

Class 3. No. 179983, Debashis Kar, an Indian and being proprietor of ELECTRO-CONTROL SYSTEM, an Indian firm of 156, Tarak Pramanick Road, Calcutta-700006, W. Bengal, India, "EMERGENCY LIGHT", 23rd July 1999.

DR. S. K. PAL

Asstt. Controller of Patents & Designs

